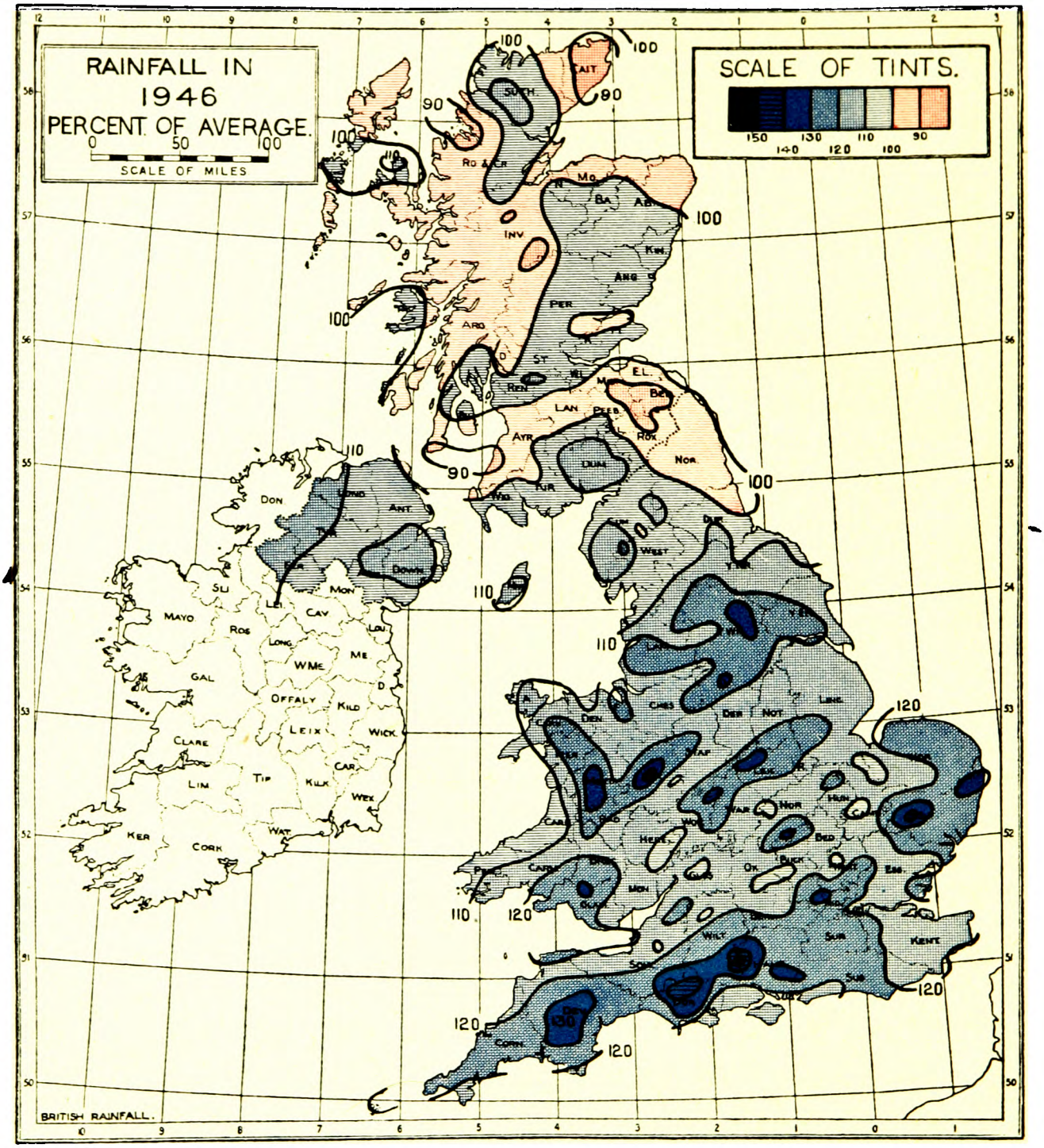
RELATION OF RAINFALL IN 1946 TO THE AVERAGE OF 1881-1915




The area coloured Red had rainfall below the average, that coloured Blue had rainfall above the average.

M.O. 495 AIR MINISTRY

METEOROLOGICAL OFFICE

# BRITISH RAINFALL
# 1946

THE EIGHTY-SIXTH ANNUAL VOLUME OF
THE BRITISH RAINFALL ORGANIZATION

*Report on the*

## DISTRIBUTION OF RAIN

IN SPACE AND TIME OVER GREAT BRITAIN AND NORTHERN IRELAND DURING THE YEAR 1946 AS RECORDED BY ABOUT 5,000 OBSERVERS

WITH MAPS

LONDON: HIS MAJESTY'S STATIONERY OFFICE
1948

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# INTRODUCTION

FOR MANY years, the annual volumes of *British Rainfall* have been in four parts. Part I was an account of the work of the British Rainfall Organization, Part II dealt in eleven sections with various aspects of rainfall and meteorology, Part III contained the General Table of Total Rainfall, while Part IV consisted of one or more research papers. In the last published volume (1939), Part IV was omitted.

In this volume for 1946 the essential features of the pre-war issues have been retained, although paper shortage has necessitated some curtailment and re-arrangement. Part I now includes practically all the information given in Parts I and II of earlier volumes. The General Table now becomes Part II and there is no Part IV. The changes in format are further explained on page 1 of Section I.

METEOROLOGICAL OFFICE,
. AIR MINISTRY

Two volumes still to be published will contain data for the war years. The first will be an abridged account of the rainfall of the years 1940, 1941 and 1942 and the second volume will deal similarly with the years 1943, 1944 and 1945. Considerable curtailment of text will be inevitable in order to bring data for six years within the compass of two volumes, but it is hoped that the result will not fail to meet to a considerable extent the needs of observers, water engineers and others whose willing co-operation through the difficult war years has made this work possible.

*NELSON K. JOHNSON*

*Director*

# BRITISH RAINFALL, 1946

## PART I

# 1 The Work of the British Rainfall Organization

CHANGES IN "BRITISH RAINFALL." Owing to the paper shortage and other causes this volume of *British Rainfall*—the first to appear since that dealing with the year 1939—is smaller than its predecessors. To preserve uniformity, however, the principal features of the pre-war volumes have been retained, thus enabling comparison to be made between conditions in 1946 and those in earlier years. No data are included from Eire and sections of various tables referring to Ireland are now restricted to records from stations in Northern Ireland. The principal tables, which were previously numbered consecutively, are now numbered according to their sequence in the various sections. Thus in Section 8, the tables are numbered 8A, 8B, etc. Of the maps which served to illustrate earlier volumes, it has been necessary to omit from this volume those showing the total rainfall in the months. The series of monthly, seasonal and annual percentage of average maps have been continued, the annual map appearing as a coloured plate.

LOCAL ORGANIZATIONS. For assistance in the collection of the rainfall returns and for stimulating local interest in weather records, the British Rainfall Organization is indebted to officials of various local organizations. Among these may be mentioned Mr. C. W. Boddington of the Northampton Natural History Society; Mr. R. S. Copeman, who has succeeded his cousin, Col. H. C. Copeman, as Secretary of the Norfolk Rainfall Organization; The Librarian, North Devon Athenaeum; Mr. E. L. Kelting of the Mid-Wessex Rainfall Association; Mr. P. J. Stephens of the Cornwall Rainfall Association; Mr. Wm. Dunbar, Burgh Surveyor of Kilmarnock and Mr. E. W. M. Murphy of the Irish Rainfall Association.

Acknowledgment is also due to the Editor of the *Hereford Times*, to Mr. F. S. Hayne of Williton, Somerset and to Capt. W. N. McClean for assistance in the collection of records.

THE STAFF OF OBSERVERS. The basis of discussion of the rainfall which is presented in this volume is the collection of about 5,000 returns of rainfall received from all parts of the country. Not all of these are included in the General Table (Part II of this volume) the Table being shortened by the omission of returns from check gauges and of some records which are not complete. Returns are contributed by private persons who measure the rainfall primarily as a matter of personal interest, or by public local authorities—and especially the authorities of water undertakings—who find that a knowledge of rainfall is essential to them in their work. The goodwill of the observers who voluntarily forward copies of their observations for preservation is gratefully acknowledged. Without their co-operation

the compilation of this volume would not be possible.

INVESTIGATIONS. Work upon a Climatological Atlas of the British Isles was completed. It is proposed to publish the atlas in seven sections—one of which will deal with rainfall, snow and thunder—and also in a single bound volume. A paper " Orographic Rain in the British Isles " by C. K. M. Douglas and J. Glasspoole was presented to the Royal Meteorological Society. Dr. Glasspoole also prepared a paper on " The Reliability of Rainfall " for the Institution of Water Engineers. Investigations involving the determination of general average rainfall in many parts of Great Britain were carried out in connection with proposed improvements in water supply, the provision of supplies to new satellite towns and for various other projects. Dr. C. E. P. Brooks and Dr. J. Glasspoole were elected members of the Hydrological Commission of the International Meteorological Organization.

INSPECTIONS. Inspections remained virtually suspended but several stations were visited by staff from the Meteorological Offices in London and Edinburgh to clear up matters which could not be settled by correspondence. A few stations in districts inaccessible to the staffs of these offices were inspected by meteorological personnel from R.A.F. stations.

INQUIRIES. Many inquiries regarding rainfall in various parts of the country were dealt with. These inquiries covered a wide range. They included the supply of records defining the rainfall experienced during specified periods in particular localities, the supply of estimates of average annual and monthly rainfall over specified areas, advice on the provision of equipment and the best exposure for the rain-gauges. Among the information supplied, reference may be made to the provision of maps of average annual rainfall for publication by the Ministry of Town and Country Planning ; rainfall maps covering Wiltshire, Somerset, Gloucester and the Cotswolds for the Ministry of Health ; data for the Ministry of Supply in connection with radar research ; to the Ministry of Food regarding loss of food stocks by storm damage ; the Ministry of Works for an investigation into loss of building time through rain and frost ; statistics, maps and reports to numerous County and Borough Councils, Water authorities and River Catchment Boards.

Information has been supplied monthly for publication in *Water and Water Engineering* and the *Meteorological Magazine* while monthly reports on the rainfall of Great Britain and Northern Ireland have been furnished to the British Waterworks Association and to certain Government Departments. Detailed reports were supplied monthly to the Metropolitan Water Board and the Thames Conservancy and a comprehensive annual report to the former body. The regular monthly issue of rainfall maps and data to numerous Catchment and Conservancy Boards was continued.

The Meteorological Office in Edinburgh provided information in connection with various projects of the North of Scotland Hydro-Electric Board and also dealt with inquiries from a large number of public authorities and water engineers. Information was furnished monthly, *inter alia*, to the Registrar General for Scotland, the Scottish Departments of Agriculture and Health, the Scottish Seaweed Research Association and the Galloway Water Power Company.

OBITUARY. During the twelve months ending 30th June, 1947, reports were received of the deaths of 52 observers who had contributed to volumes of *British Rainfall*. Of these, 17 kept rainfall records, or were associated with relatives who kept records, for 30 years or more. A list of these is given below. In most cases records were maintained throughout by the same observer.

| Name | Last place of observation | No. of years' records |
|---|---|---|
| Sir John Eldon Bankes | Northop, Flintshire | 70 |
| The Mackinnon of Mackinnon | Drumduan, Morayshire | 70 |
| E. Ranson, Esq. | Sudbury, Suffolk | 56 |
| Sir Nicholas Bacon | Raveningham Hall, Norfolk | 49 |
| S. B. Rake, Esq. | Fordingbridge, Hampshire | 42 |
| A. Lander, Esq. | Canterbury, Kent | 41 |
| Miss C. S. Fry | Upton, Berkshire | 38 |
| F. K. Hawes, Esq. | Lowthorpe, Yorkshire | 38 |
| Dr. G. F. Barbour | Bonskeid, Perthshire | 36 |
| Rev. Canon H. Milnes-Walker | Malmesbury, Wiltshire | 35 |
| J. A. Devenish, Esq. | Totnes, Devon | 35 |
| Rev. B. W. Bradford | West Adderbury, Oxon | 34 |
| D. Campbell Hardie, Esq. | Coldstream, Berwickshire | 34 |
| D. McMichael, Esq., J.P. | Alvechurch, Worcester | 34 |
| F. E. Whiting, Esq. | Credenhill, Hereford | 34 |
| Miss E. Brooke | Ewhurst, Surrey | 31 |
| Miss L. M. Brown | Torquay, Devon | 31 |

Sir John Eldon Bankes, a former Lord Justice of Appeal, who died on the last day of 1946, had taken a personal interest in the rainfall record at Soughton Hall, Northop, for 70 years. The record actually began 83 years ago, in 1865.

The Mackinnon of Mackinnon died early in 1947 in his 99th year. He had maintained a rainfall record at his seat Drumduan, near Forres, in Morayshire for 70 years and, whenever possible, took the measurements personally. The 1946 return, received shortly before his death, was made out in his own hand.

These two outstanding examples of 70 years' continuous observation have only been exceeded in our annals by the record of the late Sir John Moore who died in 1937. Sir John was a regular meteorological observer in Dublin over a period of more than 72 years.

# 2 The Distribution of Rain in Time

## THE NUMBER OF RAIN-DAYS AND WET-DAYS IN 1946

TO OBTAIN a homogeneous series of statistics the following definitions have been used in *British Rainfall:*

A **rain-day** is a period of 24 hours, commencing normally at 9 a.m., on which ·01 inch, or 0·2 mm. or more of rain is recorded.

A **wet-day** is a period of 24 hours, commencing normally at 9 a.m., on which ·04 inch, or 1·0 mm. or more of rain is recorded.

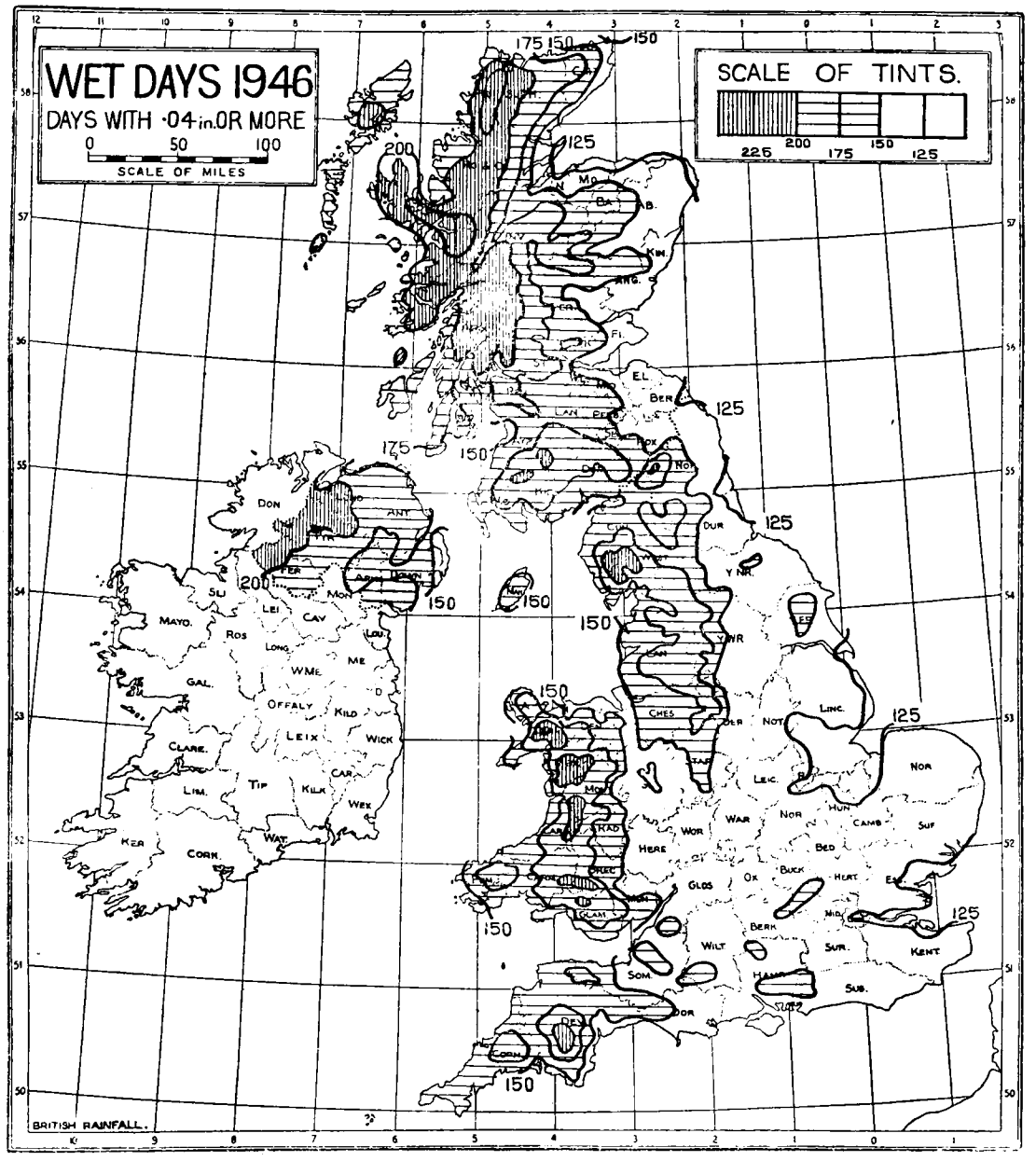
The former definition dates from the year 1865; the latter was adopted about 1917. Each of the terms " rain-day " and " wet-day " is open to criticism, the latter particularly so, since it has a different meaning in ordinary use. It must, therefore, be understood that whenever these terms are used in this publication, the meanings set out above are attached to them.

The satisfactory mapping of the annual values of rain-days has always presented difficulties, whereas the values of wet-days have proved sufficiently consistent to enable the distribution of these days to be defined. Maps showing the annual distribution of wet-days over the country have been included in *British Rainfall* since 1919. Maps showing the distribution of annual and monthly average numbers of rain-days were published in the *Quarterly Journal of the Royal Meteorological Society*, 1928, pp. 89–101, but similar maps of wet-days have not yet been prepared.

Information as to the number of rain-days and wet-days in 1946 is set out in this volume in various forms. The General Table of rainfall shows the annual numbers of rain-days and wet-days at stations where daily observations are recorded. The distribution of the number of wet-days is shown on the map reproduced on p. 5.

To study the distribution of rain-days and wet-days throughout the year, 82 stations have been selected to represent as uniformly as possible conditions over Great Britain and Northern Ireland. The same stations have been used in the preparation of Table 3C, Droughts and Dry Spells, and of Table 4C, Rain Spells and Wet Spells. The numbers of rain-days and wet-days recorded at these stations are given in Table 2A. The monthly mean values for England and Wales, Scotland and Northern Ireland are shown in the table. Computed average numbers of rain-days for the period 1881–1915 are also given for England and Wales and for Scotland for purposes of comparison. The monthly rainfall amounts for the 82 stations are included in Table 8C.

The annual number of wet-days in 1946 over England and Wales as a whole, 146,




was the greatest in any year since 1936 (149). It is 20 days more than in 1945 but only 7 days more than the average for the 29 years, 1917–1945. Scotland had 167 wet-days, i.e. 5 more than in 1945 but 8 less than the average for the previous 29 years. Northern Ireland's total of 184 wet days is 19 more than in 1945.

The distribution of wet days in 1946 as shown on the map follows the pattern of most earlier years in that there is a more or less steady increase from the east coast to the mountainous regions in the west. In 1946 the numbers of wet-days ranged from 114 at Shoeburyness and 116 at Newcastle-on-Tyne to more than 200 over Dartmoor, the Welsh mountains, the Cumbrian Hills and most of the Scottish Highlands. At Loch More in Sutherland there were 233 wet-days.

The total number of rain-days was about 160 in several places to the east of London and along the Essex-Suffolk coast and also

over part of the Fen country. More than 250 rain-days were recorded over much of the high land in the west. The range at the selected stations was from 163 at Shoeburyness to 282 at Creggan Reservoir, Londonderry. The general number of rain-days over England and Wales was 194, or 6 more than the average for the 35 years, 1881–1915. Over Scotland the total was 215 or 2 less than the average.

Over England and Wales as a whole November had the greatest number of rain-days and wet-days, viz. 22 and 18 respectively. October had only 12 rain-days of which 6 were wet-days. In Scotland, as in England and Wales, November had the greatest number of rain-days and wet-days, 23 and 19 respectively. In October the numbers were 7 and 4.

None of the selected stations failed to record a rain-day or a wet-day in any month. The smallest number of rain-days in any month shown in the table is four at Leuchars in April, at Ullapool in May and at Dalwhinnie in October. Leuchars had only one wet-day in April and Worthing and Fort William had only two wet-days in October.

Rain was recorded on every day in February in the northwest of Scotland and on 29 days in July, and also in August, at Loch More, and in September at Ballymena, Northern Ireland.

## Table 2A Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in 1946

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Year | Total Rainfall |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ENGLAND AND WALES | | | | | | | | | | | | | | | in. |
| London ....2 | St. Pancras (Camden Square) . | 10 9 | 18 14 | 6 5 | 10 9 | 14 11 | 21 16 | 9 7 | 16 10 | 19 14 | 10 9 | 18 17 | 15 14 | 166 135 | 29·51 |
| Kent .....1 | Folkestone (Cherry Gardens) . | 11 7 | 16 14 | 12 8 | 10 6 | 20 11 | 18 17 | 14 8 | 18 13 | 19 15 | 11 6 | 23 16 | 20 15 | 192 136 | 36·23 |
| Sussex .....3 | Worthing (Beach House Park) | 14 8 | 14 11 | 9 6 | 10 9 | 13 12 | 16 12 | 7 7 | 23 17 | 19 16 | 7 2 | 21 17 | 17 13 | 170 130 | 30·96 |
| Hampshire ..1 | Ventnor (Royal Nat. Hosp.) . | 13 11 | 15 10 | 10 6 | 9 9 | 13 9 | 15 13 | 8 8 | 20 15 | 20 14 | 6 4 | 22 16 | 16 15 | 167 130 | 33·69 |
| Hampshire ..1 | Totland Bay (Aston House) .. | 14 11 | 18 11 | 10 7 | 10 9 | 15 10 | 18 15 | 7 6 | 20 19 | 19 16 | 7 3 | 21 16 | 19 15 | 178 138 | 32·32 |
| Hampshire ..3 | Fordingbridge (Oaklands) ... | 14 12 | 17 12 | 8 7 | 10 9 | 14 11 | 23 18 | 9 5 | 17 14 | 20 14 | 9 6 | 21 16 | 18 14 | 180 138 | 37·06 |
| Hampshire ..7 | Selborne (The Wakes) ..... | 17 13 | 15 14 | 9 7 | 12 11 | 14 12 | 23 17 | 11 7 | 22 17 | 19 16 | 11 9 | 23 22 | 20 17 | 196 162 | 47·37 |
| Herts .....2 | Harpenden (Rothamsted) .... | 11 8 | 19 15 | 7 5 | 8 6 | 15 10 | 21 16 | 11 7 | 21 14 | 18 15 | 11 7 | 20 18 | 20 13 | 182 134 | 30·42 |
| Herts .....3 | Royston (Therfield Rectory) .. | 12 6 | 20 14 | 10 6 | 11 7 | 17 12 | 24 17 | 12 9 | 22 17 | 21 17 | 10 9 | 24 18 | 19 13 | 202 145 | 29·25 |
| Oxford .....3 | Oxford (Radcliffe Met. Str.) .. | 15 9 | 20 14 | 7 4 | 12 8 | 15 10 | 20 13 | 9 8 | 20 18 | 19 15 | 9 4 | 20 18 | 21 14 | 187 135 | 26·96 |
| Northants ..4 | Wellingborough (Swanspool) . | 10 7 | 17 13 | 7 7 | 10 7 | 12 8 | 16 15 | 11 7 | 22 17 | 17 14 | 11 5 | 21 17 | 20 13 | 174 130 | 27·68 |
| Hunts .....1 | Whittlesea Mere ..... | 10 7 | 17 11 | 10 4 | 13 8 | 15 9 | 21 17 | 12 9 | 16 13 | 17 14 | 11 6 | 22 17 | 18 12 | 182 127 | 25·77 |
| Essex .....3 | Shoeburyness ..... | 8 5 | 17 13 | 12 6 | 10 7 | 11 8 | 17 13 | 11 8 | 17 11 | 17 12 | 9 4 | 16 14 | 18 13 | 163 114 | 24·74 |
| Suffolk .....4 | Lowestoft (Secondary School) | 11 8 | 15 12 | 10 5 | 6 5 | 12 8 | 20 16 | 12 9 | 19 13 | 20 18 | 12 8 | 24 18 | 19 16 | 180 136 | 31·02 |
| Norfolk.....3 | Hunstanton ..... | 15 9 | 18 12 | 8 6 | 8 5 | 13 8 | 16 15 | 13 12 | 20 16 | 16 10 | 12 9 | 21 16 | 25 14 | 185 132 | 28·49 |
| Norfolk.....4 | Thetford Waterworks ..... | 13 6 | 18 10 | 13 5 | 13 8 | 14 7 | 20 17 | 16 13 | 23 13 | 19 14 | 14 5 | 27 16 | 20 14 | 210 128 | 28·53 |
| S. Devon....5 | Teignmouth (Den Gardens) .. | 18 13 | 13 10 | 12 5 | 9 7 | 16 15 | 19 15 | 8 7 | 22 12 | 19 13 | 10 5 | 19 16 | 19 14 | 184 132 | 39·57 |
| N. Devon ...2 | Barnstaple (N.Dev.Athenaeum) | 16 12 | 18 12 | 6 4 | 11 8 | 16 14 | 19 17 | 12 9 | 23 20 | 21 18 | 8 7 | 20 18 | 17 16 | 187 155 | 40·22 |
| Cornwall....1 | Bude (School House) ..... | 17 11 | 18 12 | 9 5 | 10 9 | 16 13 | 21 17 | 15 10 | 24 19 | 20 17 | 9 8 | 21 18 | 18 15 | 198 154 | 37·05 |
| Cornwall....2 | St. Austell (Trevarna) ..... | 17 15 | 17 15 | 15 9 | 10 8 | 21 15 | 20 16 | 20 12 | 25 18 | 22 17 | 10 9 | 21 18 | 20 17 | 218 169 | 57·33 |
| Cornwall.. .4 | Tresco Abbey ..... | 19 16 | 19 11 | 20 14 | 10 8 | 20 12 | 20 13 | 17 11 | 27 20 | 21 19 | 12 11 | 26 20 | 20 15 | 231 170 | 40·31 |
| Somerset ...1 | Bath (Henrietta Park) ..... | 14 11 | 15 13 | 7 4 | 12 10 | 15 9 | 22 15 | 10 6 | 24 19 | 15 14 | 8 8 | 20 17 | 18 16 | 180 142 | 34·12 |
| Somerset ...5 | Churchstanton (Stapley) ..... | 17 14 | 20 14 | 11 7 | 10 9 | 18 15 | 20 17 | 14 7 | 26 14 | 21 17 | 13 7 | 23 20 | 17 17 | 210 158 | 49·34 |
| Hereford ...1 | Ross-on-Wye ..... | 11 10 | 13 10 | 10 6 | 8 7 | 13 10 | 19 11 | 7 5 | 20 16 | 17 11 | 9 6 | 21 17 | 18 12 | 166 121 | 30·94 |
| Shropshire ..4 | Shifnal (Hatton Grange) ..... | 13 11 | 14 12 | 6 5 | 7 6 | 9 8 | 17 15 | 10 8 | 23 18 | 19 13 | 11 6 | 20 17 | 20 18 | 169 137 | 28·25 |
| Warwick ...1 | Warwick (Mill Street)..... | 12 9 | 12 9 | 8 7 | 11 8 | 11 8 | 19 16 | 10 7 | 17 16 | 19 14 | 9 4 | 21 18 | 19 16 | 168 132 | 28·38 |
| Leicestershire4 | Loughbor'gh(Nanpantan Res.) | 15 12 | 13 11 | 8 5 | 9 6 | 11 8 | 21 16 | 10 7 | 21 13 | 19 13 | 11 6 | 19 18 | 22 16 | 179 131 | 33·38 |
| Lincolnshire 3 | Horncastle ..... | 14 8 | 15 9 | 10 5 | 9 6 | 15 10 | 19 13 | 16 13 | 20 14 | 19 15 | 13 7 | 23 18 | 21 15 | 194 133 | 31·21 |
| Nottingham 5 | Mansfield (Carr Bank) ..... | 17 10 | 15 14 | 7 6 | 9 7 | 14 9 | 14 12 | 12 11 | 17 13 | 15 11 | 10 5 | 21 18 | 20 15 | 171 131 | 32·38 |
| Cheshire ....2 | Middlewich (Bostock Hall) ... | 18 15 | 20 14 | 9 5 | 8 6 | 9 7 | 21 19 | 17 14 | 22 18 | 21 17 | 10 6 | 24 19 | 21 19 | 200 159 | 35·60 |
| Cheshire ....3 | Birkenhead (Bidston Obsy.) .. | 21 15 | 16 14 | 8 4 | 11 5 | 11 10 | 20 15 | 16 14 | 20 17 | 19 14 | 8 3 | 23 17 | 23 16 | 196 144 | 33·72 |
| N. Lancs. ...5 | Blackpool (Stanley Park) .... | 20 18 | 17 13 | 10 7 | 13 7 | 8 6 | 15 13 | 16 15 | 23 17 | 21 16 | 7 4 | 20 18 | 22 19 | 192 153 | 37·15 |
| Yorks., W.R. 8 | Wakefield (Clarence Park) .. | 17 12 | 15 12 | 15 6 | 12 4 | 14 8 | 21 15 | 17 11 | 21 12 | 20 11 | 12 5 | 25 18 | 22 12 | 211 126 | 31·48 |

## Table 2A Number of " Rain-days " (·01 in. or more) and of " Wet-days " (·04 in. or more) in 1946 (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Year | Total Rainfall |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ENGLAND AND WALES (*continued*) | | | | | | | | | | | | | | | in. |
| Yorks., E.R..3 | Hull (Pearson Park) | 21 11 | 16 12 | 11 8 | 9 4 | 13 10 | 20 12 | 12 9 | 19 14 | 20 11 | 14 8 | 23 20 | 25 12 | 203 131 | 32·22 |
| Yorks., N.R. 2 | Felixkirk (Mount St. John) | 19 14 | 11 7 | 11 8 | 13 11 | 13 10 | 18 13 | 15 12 | 21 15 | 15 10 | 8 5 | 24 21 | 23 17 | 191 143 | 29·17 |
| Yorks., N.R. 5 | Scarborough | 20 11 | 19 14 | 13 6 | 13 9 | 12 9 | 17 14 | 17 15 | 18 15 | 18 14 | 11 7 | 24 18 | 21 17 | 203 149 | 28·92 |
| North'land .3 | Newcastle (Leazes Park) | 13 10 | 8 3 | 11 8 | 7 6 | 13 8 | 21 13 | 18 10 | 18 12 | 16 11 | 8 4 | 24 19 | 20 12 | 177 116 | 26·29 |
| North'land .6 | Ilderton (Lilburn Tower Gdns.) | 13 10 | 9 6 | 15 11 | 9 4 | 15 10 | 16 10 | 15 10 | 18 14 | 17 11 | 10 8 | 23 20 | 17 15 | 177 129 | 28·09 |
| Cumberland 1 | Geltsdale | 21 19 | 20 12 | 18 10 | 15 9 | 13 10 | 24 19 | 23 21 | 24 18 | 25 20 | 12 8 | 27 24 | 20 18 | 242 188 | 40·78 |
| Cumberland 2 | Keswick (High Hill) | 21 19 | 17 15 | 12 11 | 13 7 | 9 6 | 22 13 | 22 17 | 26 18 | 27 22 | 7 3 | 27 24 | 21 18 | 224 173 | 65·93 |
| Cumberland 3 | Ravenglass (The Grove) | 17 17 | 19 16 | 9 6 | 10 9 | 9 8 | 19 15 | 18 15 | 19 17 | 21 16 | 8 3 | 22 19 | 19 18 | 190 159 | 47·82 |
| Glamorgan .6 | Treherbert (Tyn-y-waun) | 18 18 | 20 15 | 13 11 | 15 11 | 15 13 | 24 20 | 19 15 | 23 22 | 26 22 | 11 8 | 26 20 | 22 19 | 232 194 | 114·98 |
| Carmarthen .2 | Llanddeusant (Pontcrynfe) | 19 16 | 20 13 | 9 7 | 12 8 | 15 11 | 25 16 | 19 15 | 25 23 | 26 22 | 10 7 | 24 20 | 22 18 | 226 176 | 67·33 |
| Pembroke ..4 | St. Ann's Head | 17 15 | 12 10 | 11 10 | 9 8 | 13 11 | 19 13 | 11 6 | 19 14 | 24 19 | 8 7 | 19 14 | 16 13 | 178 140 | 39·87 |
| Cardigan....2 | Aberystwyth (P.B.S.) | 17 14 | 20 10 | 9 6 | 12 9 | 15 6 | 22 11 | 19 13 | 26 18 | 24 17 | 10 8 | 24 18 | 20 18 | 218 148 | 43·75 |
| Radnor ....1 | Birmingham W.W. (Tyrm'dd) | 19 18 | 22 17 | 10 9 | 13 10 | 16 14 | 24 18 | 22 16 | 27 21 | 28 23 | 13 8 | 25 21 | 25 21 | 244 196 | 74·58 |
| Merioneth ..1 | Bala (Tegid Street) | 18 17 | 16 13 | 12 11 | 15 11 | 13 11 | 22 21 | 17 16 | 25 21 | 24 19 | 10 4 | 27 21 | 25 19 | 224 184 | 59·13 |
| Anglesey .... | Llanerchymedd (Llywdiarth Esgob.) | 17 17 | 20 16 | 10 9 | 9 8 | 12 11 | 19 12 | 16 15 | 24 17 | 25 21 | 11 7 | 24 23 | 24 22 | 211 178 | 44·27 |
| **England and Wales** | **(Mean of 48 Stations)** | **15 12** | **16 12** | **10 7** | **10 8** | **14 10** | **20 15** | **14 10** | **21 16** | **20 16** | **12 6** | **22 18** | **20 16** | **194 146** | .. |
| | **Average (1881-1915)** | **18 ..** | **15 ..** | **16 ..** | **14 ..** | **14 ..** | **13 ..** | **14 ..** | **16 ..** | **13 ..** | **18 ..** | **18 ..** | **19 ..** | **188 ..** | .. |
| ISLE OF MAN | Douglas (Borough Cemetery) | 18 13 | 22 18 | 12 10 | 9 7 | 11 7 | 20 14 | 15 12 | 17 15 | 22 17 | 9 4 | 21 19 | 21 16 | 197 152 | 45·18 |
| SCOTLAND | | | | | | | | | | | | | | | |
| Kirkcudb'ght 5 | Lochrutton (Dumfries W.W.) | 18 16 | 18 15 | 13 12 | 12 9 | 11 5 | 20 14 | 20 17 | 22 20 | 26 21 | 7 6 | 23 19 | 18 17 | 208 171 | 49·23 |
| Peeblesshire .2 | Stobo Castle | 19 15 | 21 14 | 15 10 | 13 9 | 10 7 | 20 17 | 20 16 | 23 14 | 22 18 | 7 4 | 25 19 | 21 17 | 216 160 | 34·87 |
| Berwickshire 4 | Marchmont House | 17 12 | 12 7 | 17 13 | 13 4 | 12 8 | 17 12 | 21 14 | 21 10 | 23 18 | 9 7 | 24 21 | 19 16 | 205 142 | 26·75 |
| Lanarkshire .5 | Strathaven (Dungavel) | 21 16 | 21 17 | 16 10 | 13 11 | 10 7 | 24 19 | 21 17 | 20 14 | 28 19 | 8 4 | 25 21 | 20 18 | 227 173 | 42·90 |
| Ayrshire ....8 | Colmonell (Knockdolian) | 19 16 | 21 14 | 13 9 | 10 8 | 7 5 | 18 16 | 19 17 | 19 14 | 23 18 | 6 4 | 21 19 | 20 19 | 196 159 | 39·76 |
| Renfrewshire 3 | Greenock (Prospect Hill) | 23 21 | 18 14 | 14 9 | 14 11 | 8 5 | 23 17 | 21 20 | 23 14 | 27 22 | 6 4 | 23 21 | 22 19 | 222 177 | 53·78 |
| Stirlingshire .1 | Falkirk (Arnotdale) | 16 15 | 12 12 | 15 11 | 7 5 | 12 8 | 20 12 | 17 15 | 23 18 | 23 19 | 6 3 | 23 19 | 21 18 | 195 155 | 37·56 |
| Argyllshire ..8 | Lochgilphead (Poltalloch) | 22 22 | 21 19 | 13 11 | 15 11 | 9 6 | 21 18 | 26 22 | 21 17 | 26 22 | 5 3 | 21 19 | 21 20 | 221 190 | 50·57 |
| Argyllshire .14 | Islay (Eallabus) | 22 20 | 18 16 | 15 12 | 14 11 | 6 5 | 18 16 | 20 18 | 19 18 | 25 22 | 8 6 | 19 18 | 26 25 | 210 187 | 48·75 |
| Argyllshire .14 | Mull (Gruline) | 23 21 | 24 22 | 15 12 | 15 11 | 7 6 | 23 18 | 25 22 | 20 19 | 24 21 | 8 6 | 25 22 | 23 21 | 232 201 | 80·42 |

**Table 2A Number of " Rain-days " (·01 in. or more) and of " Wet-days " (·04 in. or more) in 1946. (*concluded*)**

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Year | Total Rain-fall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCOTLAND (*continued*) | | | | | | | | | | | | | | | in. |
| Argyllshire .14 | Tiree | 24 23 | 25 18 | 16 14 | 14 9 | 7 6 | 23 18 | 24 19 | 24 21 | 24 16 | 10 4 | 22 18 | 25 21 | 238 187 | 44·13 |
| Fife.....3 | Leuchars Airfield | 14 12 | 13 10 | 13 10 | 4 1 | 14 8 | 17 15 | 15 15 | 20 16 | 17 10 | 6 4 | 20 16 | 18 13 | 171 130 | 24·99 |
| Perthshire .11 | Aberfeldy (Dall Avon) | 18 15 | 16 10 | 15 10 | 10 4 | 12 9 | 21 14 | 20 15 | 22 18 | 21 16 | 8 3 | 24 19 | 21 17 | 208 150 | 37·80 |
| Aberdeenshire1 | Balmoral Castle Gardens | 12 10 | 19 12 | 12 5 | 12 6 | 15 11 | 20 14 | 20 15 | 21 13 | 19 11 | 8 4 | 22 17 | 17 11 | 197 129 | 34·55 |
| Aberdeenshire2 | Aberdeen Observatory | 13 8 | 17 10 | 15 12 | 12 3 | 16 12 | 19 16 | 18 16 | 13 12 | 14 12 | 7 6 | 22 17 | 19 11 | 185 135 | 29·75 |
| Aberdeenshire4 | Peterhead (Forehill Works) | 12 7 | 18 13 | 13 8 | 11 6 | 12 9 | 12 8 | 14 12 | 15 10 | 13 9 | 9 6 | 21 18 | 18 13 | 168 119 | 26·74 |
| Morayshire.. 2 | Fochabers (Gordon Castle) | 12 2 | 19 11 | 15 9 | 15 7 | 15 10 | 21 16 | 17 16 | 20 18 | 16 13 | 6 4 | 21 14 | 14 10 | 191 130 | 28·91 |
| Inverness ...2 | Dalwhinnie | 17 15 | 18 17 | 11 10 | 10 9 | 5 5 | 19 17 | 22 20 | 22 18 | 20 17 | 4 3 | 23 19 | 17 16 | 188 166 | 41·84 |
| Inverness ....6 | Loch Ness (Foyers) | 18 15 | 22 17 | 14 10 | 18 11 | 11 7 | 19 16 | 21 16 | 22 15 | 27 21 | 5 5 | 19 14 | 17 12 | 213 159 | 34·62 |
| Inverness ...17 | Fort William (Teviot) | 23 21 | 24 20 | 15 11 | 18 14 | 7 3 | 27 21 | 27 24 | 25 24 | 24 21 | 8 2 | 22 19 | 21 17 | 241 197 | 74·51 |
| Inverness ...18 | Skye (Portree) | 23 21 | 26 22 | 15 15 | 20 14 | 9 6 | 23 19 | 26 21 | 24 20 | 24 21 | 8 5 | 26 24 | 22 19 | 246 207 | 71·92 |
| R'&Cromarty 3 | Fortrose | 18 10 | 19 14 | 16 7 | 16 5 | 15 7 | 26 18 | 22 17 | 28 18 | 18 15 | 9 5 | 22 13 | 17 7 | 226 136 | 24·59 |
| R'&Cromarty 7 | Ullapool | 18 16 | 24 23 | 11 10 | 15 15 | 4 4 | 25 20 | 26 21 | 24 20 | 23 21 | 5 5 | 21 16 | 20 18 | 216 189 | 40·94 |
| R'&Cr'm'rty 10 | Stornoway Airfield | 21 18 | 28 21 | 18 13 | 22 12 | 12 6 | 26 17 | 26 20 | 22 18 | 22 18 | 7 5 | 25 21 | 20 18 | 249 187 | 42·40 |
| Sutherland ..3 | Kinbrace (Auchintoul) | 21 13 | 25 18 | 20 14 | 21 15 | 15 11 | 22 14 | 24 18 | 28 15 | 26 20 | 7 4 | 24 19 | 20 14 | 253 175 | 36·47 |
| Sutherland ..5 | Loch More (Achfary) | 20 18 | 28 28 | 21 16 | 19 19 | 11 6 | 25 24 | 29 24 | 29 28 | 24 23 | 5 4 | 24 22 | 24 21 | 259 233 | 83·95 |
| Caithness ...3 | Thurso (Buckies) | 17 11 | 23 21 | 18 17 | 21 17 | 14 6 | 19 17 | 21 18 | 21 15 | 25 20 | 7 5 | 27 24 | 18 14 | 231 185 | 32·69 |
| **Scotland** ..... | **(Mean of 27 Stations)** | **19 15** | **20 16** | **15 11** | **14 10** | **11 7** | **21 16** | **21 18** | **22 17** | **22 18** | **7 4** | **23 19** | **20 16** | **215 167** | .. |
| | **Average (1881-1915)** | **20** .. | **18** .. | **19** .. | **16** .. | **16** .. | **15** .. | **18** .. | **19** .. | **17** .. | **19** .. | **19** .. | **21** .. | **217** .. | .. |
| NORTHERN IRELAND | | | | | | | | | | | | | | | |
| Co.F'managh1 | Newtownbutler (Crom Castle) | 22 19 | 20 13 | 15 7 | 13 11 | 13 9 | 26 21 | 21 15 | 24 19 | 28 22 | 11 7 | 21 18 | 22 19 | 236 180 | 39·50 |
| Co. Armagh 5 | Armagh Observatory | 19 15 | 17 13 | 13 9 | 12 8 | 11 6 | 23 19 | 21 15 | 26 18 | 25 22 | 9 7 | 21 18 | 22 20 | 219 170 | 34·89 |
| Co. Down...2 | Seaforde | 22 15 | 17 12 | 15 11 | 11 9 | 11 9 | 25 20 | 19 14 | 24 21 | 25 18 | 6 5 | 27 20 | 23 18 | 225 172 | 42·77 |
| Co. Antrim..5 | Ballymena (Harryville) | 22 20 | 24 17 | 17 9 | 13 9 | 10 8 | 26 17 | 25 18 | 24 21 | 29 21 | 10 5 | 24 19 | 27 21 | 251 185 | 42·46 |
| Co.L'dond'ry5 | Londonderry (Creggan Res.) | 24 18 | 27 21 | 20 9 | 23 11 | 13 10 | 27 24 | 25 22 | 28 22 | 27 23 | 16 10 | 25 19 | 27 23 | 282 212 | 47·84 |
| Co. Tyrone .3 | Omagh (Edenfel) | 21 17 | 21 15 | 11 10 | 11 9 | 12 10 | 22 22 | 23 17 | 27 19 | 27 21 | 11 7 | 20 20 | 21 21 | 227 188 | 44·42 |
| **Northern Ireland** ..... | **(Mean of 6 Stations)** | **22 17** | **21 15** | **15 9** | **14 9** | **12 9** | **25 21** | **22 17** | **25 20** | **27 21** | **10 7** | **23 19** | **24 20** | **240 184** | .. |

# 3. Absolute Droughts, Partial Droughts and Dry Spells in 1946

THE FOLLOWING definitions have been used in *British Rainfall* in order to obtain a homogeneous series of statistics :

An **absolute drought** is a period of at least 15 consecutive days to none of which is credited ·01 inch of rain or more.

A **partial drought** is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed ·01 inch.

A **dry spell** is a period of at least 15 consecutive days to none of which is credited ·04 inch of rain or more.

These terms are used in *British Rainfall* only in the senses stated. More concise definitions of two of these terms would be:— An *absolute drought* is a period of at least 15 days, none of which is a rain-day; a *dry spell* is a period of at least 15 days, none of which is a wet-day. The definitions of absolute drought and partial drought were introduced in *British Rainfall*, 1887, while that of dry spell was first used in *British Rainfall*, 1919.

Details are given in Table 3C of the absolute droughts*, partial droughts* and dry spells* which occurred at the 82 selected stations of Table 2A. The monthly totals at these stations are included in Table 8C. Stations from which no droughts or dry spells were reported are omitted from Table 3C. In Tables 3A and 3B, the total number of droughts and dry spells recorded at these 82 stations in 1946 are compared with those for 1943–45. During 1946 six of the 82 selected stations failed to record either a drought or dry spell. Of these, three were in England and three in Wales.

No period of absolute drought was recorded at any of the 7 stations in Wales, at 24 stations in England and at 5 in Scotland, i.e. in all at 36 of the 82 selected stations. There were four periods of absolute drought. The most widely reported drought occurred between April 24 and May 30, when 29 stations distributed over the northern half of England, practically all Scotland and Northern Ireland had up to 25 days' drought. The 25 days' absolute drought, the longest of the year, was recorded at Colmonell, Ayrshire. An autumn drought was also extensively reported, 24 stations in Britain recording up to 22 days between September 27 and October 26. Three stations recorded a drought between March 21 and April 22. Ilderton alone had 15 days drought in February.

The longest partial drought in 1946 lasted 59 days and was recorded at Leuchars from March 18 to May 15. Of the 50 partial droughts reported, 24 fell within the period March 5 to May 30 and 26 occurred between September 15 and November 5. Ten stations reported partial droughts in both these periods.

* The precise procedure adopted in the allocation of droughts and dry spells which cover parts of two years is similar to that set out in the footnote on page 25, *British Rainfall*, 1926, in the case of rain spells.

All but 14 of the selected stations recorded at least one dry spell in 1946. Of the total of 132 dry spells 66 occurred between February 26 and May 30 and 56 between September 23 and November 11. Both these well-marked dry spells were experienced in all districts of Great Britain and Northern Ireland. The longest dry spells of the year lasted 29 days and were recorded at Worthing (Sept. 27—Oct. 25), Dalwhinnie (Oct. 5—Nov. 2) and Fort William (Oct. 5—Nov. 2). Only one station, Wakefield, had as many as four dry spells in the year. Three of these spells, lasting 15, 19 and 20 days, occurred between March 6 and May 16 and the fourth, lasting 19 days, was in October.

**Table 3A Droughts at 82 Stations, 1943–1946**

| Year | ABSOLUTE DROUGHTS* | | | | PARTIAL DROUGHTS† | | | |
|---|---|---|---|---|---|---|---|---|
| | Number at 82 Stations | Mean Duration | Longest | Stations without one | Number at 82 Stations | Mean Duration | Longest | Stations without one |
| | | Days | Days | | | Days | Days | |
| 1943 | 61 | 21 | 41 | 47 | 50 | 48 | 79 | 34 |
| 1944 | 25 | 17 | 21 | 62 | 42 | 41 | 66 | 52 |
| 1945 | 33 | 19 | 24 | 55 | 58 | 33 | 44 | 41 |
| 1946 | 57 | 17 | 25 | 36 | 50 | 34 | 59 | 42 |

* 15 days without a " rain-day "

† 29 days averaging not more than ·01 inch

**Table 3B Dry Spells‡ at 82 Stations, 1943–1946**

| Year | Number at 82 Stations | Mean Duration | Longest Spell | Number of Stations with | | | |
|---|---|---|---|---|---|---|---|
| | | | | None | 1 or 2 | 3 or 4 | 5 or more |
| | | Days | Days | | | | |
| 1943 .. .. | 129 | 22 | 47 | 28 | 27 | 27 | 0 |
| 1944 .. .. | 96 | 19 | 37 | 41 | 27 | 9 | 5 |
| 1945 .. .. | 125 | 20 | 35 | 14 | 52 | 16 | 0 |
| 1946 .. .. | 132 | 18 | 29 | 10 | 60 | 12 | 0 |

‡ 15 days without a " wet-day "

## Table 3c Droughts and Dry Spells in 1946

| County and River Division | Station | Absolute Droughts | | | Partial Droughts | | | | Dry Spells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Began | Ended | Lasted | Rain | Began | Ended | Lasted | Rain |
| ENGLAND AND WALES | | | | days | | | days | in. | | | days | in. |
| London .....2 | St. Pancras (Camden Square) .. | .. | .. | .. | .. | .. | .. | .. | Mar. 6 | Mar. 20 | 15 | ·01 |
| Kent .....1 | Folkestone (Cherry Gardens) . | .. | .. | .. | .. | .. | .. | .. | Jan. 13 | Jan. 27 | 15 | ·03 |
| | | .. | .. | .. | Sept. 21 | Oct. 25 | 35 | ·33 | Oct. 3 | Oct. 19 | 17 | ·05 |
| Sussex .....3 | Worthing (Beach House Park) . | Sept. 27 | Oct. 17 | 21 | Sept. 21 | Oct. 25 | 35 | ·29 | Sept. 27 | Oct. 25 | 29 | ·07 |
| Hampshire ...1 | Ventnor (Royal National Hos.) | Oct. 2 | Oct. 18 | 17 | .. | .. | .. | .. | Oct. 2 | Oct. 18 | 17 | ·00 |
| Hampshire ...1 | Totland Bay (Aston House) ... | Oct. 2 | Oct. 17 | 16 | .. | .. | .. | .. | Sept. 30 | Oct. 18 | 19 | ·04 |
| Hampshire ...3 | Fordingbridge (Oaklands) .... | Oct. 2 | Oct. 17 | 16 | .. | .. | .. | .. | Oct. 2 | Oct. 18 | 17 | ·03 |
| Hampshire ...7 | Selborne (The Wakes) ..... | .. | .. | .. | .. | .. | .. | .. | Oct. 2 | Oct. 18 | 17 | ·01 |
| Hertfordshire .2 | Harpenden (Rothamsted) ..... | .. | .. | .. | .. | .. | .. | .. | Mar. 6 | Mar. 20 | 15 | ·02 |
| | | April 6 | April 22 | 17 | Mar. 23 | April 24 | 33 | ·30 | April 6 | April 23 | 18 | ·03 |
| Hertfordshire .3 | Royston (Therfield Rectory) .. | .. | .. | .. | .. | .. | .. | .. | Jan. 12 | Jan. 27 | 16 | ·08 |
| Oxford .....3 | Oxford (Radcliffe Met. Stn.) .. | .. | .. | .. | .. | .. | .. | .. | Mar. 6 | Mar. 20 | 15 | ·05 |
| | | .. | .. | .. | .. | .. | .. | .. | April 6 | April 22 | 17 | ·02 |
| | | .. | .. | .. | Sept. 22 | Oct. 25 | 34 | ·31 | Oct. 1 | Oct. 19 | 19 | ·07 |
| Hunts .....1 | Whittlesea Mere ..... | .. | .. | .. | Mar. 5 | April 3 | 30 | ·25 | Mar. 5 | Mar. 20 | 16 | ·06 |
| | | .. | .. | .. | Sept. 22 | Oct. 20 | 29 | ·25 | Oct. 3 | Oct. 20 | 18 | ·08 |
| Essex .....3 | Shoeburyness ..... | .. | .. | .. | .. | .. | .. | .. | Jan. 12 | Jan. 27 | 16 | ·01 |
| | | .. | .. | .. | Sept. 21 | Oct. 19 | 29 | ·11 | Oct. 3 | Oct. 19 | 17 | ·02 |
| Norfolk.....4 | Hunstanton ..... | .. | .. | .. | Mar. 22 | April 24 | 34 | ·23 | .. | .. | .. | .. |
| Norfolk.....4 | Thetford Waterworks ..... | .. | .. | .. | .. | .. | .. | .. | Mar. 6 | Mar. 20 | 15 | ·05 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 3 | Oct. 18 | 16 | ·10 |
| Devon .....5 | Teignmouth (Den Gardens) ... | .. | .. | .. | .. | .. | .. | .. | April 6 | April 23 | 18 | ·03 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 1 | Oct. 17 | 17 | ·05 |
| N. Devon ....2 | Barnstaple (N. Dev. Athenaeum) | .. | .. | .. | .. | .. | .. | .. | Feb. 26 | Mar. 16 | 19 | ·03 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 3 | Oct. 17 | 15 | ·02 |
| Cornwall.....1 | Bude (School House) ..... | .. | .. | .. | .. | .. | .. | .. | Oct. 3 | Oct. 17 | 15 | ·02 |
| Cornwall.....2 | St. Austell (Trevarna).. ..... | .. | .. | .. | Mar. 24 | April 23 | 31 | ·27 | .. | .. | .. | .. |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 27 | Nov. 11 | 16 | ·07 |
| Cornwall 4 | Tresco Abbey ..... | .. | .. | .. | Mar. 25 | April 22 | 29 | ·28 | .. | .. | .. | .. |
| Somerset .....1 | Bath (Henrietta Park) ..... | .. | .. | .. | .. | .. | .. | .. | June 28 | July 14 | 17 | ·05 |
| | | Oct. 2 | Oct. 18 | 17 | .. | .. | .. | .. | Oct. 2 | Oct. 18 | 17 | ·00 |
| Somerset .....5 | Churchstanton (Stapley) ..... | .. | .. | .. | .. | .. | .. | .. | Oct. 3 | Oct. 18 | 16 | ·08 |
| Hereford .... 1 | Ross-on-Wye ..... | April 6 | April 22 | 17 | .. | .. | .. | .. | April 6 | April 22 | 17 | ·00 |
| | | .. | .. | .. | .. | .. | .. | .. | June 28 | July 14 | 17 | ·04 |
| | | Oct. 3 | Oct. 18 | 16 | .. | .. | .. | .. | Oct. 3 | Oct. 18 | 16 | ·00 |

## Table 3c Droughts and Dry Spells in 1946 (*contiued*)

| County and River Division | Station | Absolute Droughts | | | Partial Droughts | | | | Dry Spells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Began | Ended | Lasted | Rain | Began | Ended | Lasted | Rain |
| | | | | days | | | days | in. | | | days | in. |
| Shropshire ....4 | Shifnal (Hatton Grange) ..... | April 30 | May 17 | 18 | .. | .. | .. | .. | April 30 | May 17 | 18 | ·00 |
| | | .. | .. | .. | Sept. 22 | Oct. 25 | 34 | ·32 | Oct. 2 | Oct. 18 | 17 | ·04 |
| Warwick ...1 | Warwick (Mill Street) ..... | .. | .. | .. | .. | .. | .. | .. | April 30 | May 14 | 15 | ·03 |
| | | .. | .. | .. | .. | .. | .. | .. | June 28 | July 14 | 17 | ·05 |
| | | .. | .. | .. | Sept. 23 | Oct. 26 | 34 | ·26 | Sept. 23 | Oct. 20 | 28 | ·09 |
| Leicester .....4 | Loughborough (Nanpantan Res.) | .. | .. | .. | .. | .. | .. | .. | April 30 | May 16 | 17 | ·03 |
| Nottingham ..5 | Mansfield (Carr Bank) ..... | April 30 | May 14 | 15 | .. | .. | .. | .. | April 30 | May 15 | 16 | ·03 |
| | | .. | .. | .. | .. | .. | .. | .. | June 24 | July 12 | 19 | ·05 |
| | | .. | .. | .. | Sept. 21 | Oct. 20 | 30 | ·24 | Sept. 30 | Oct. 20 | 21 | ·09 |
| Cheshire .....2 | Middlewich (Bostock Hall) ... | .. | .. | .. | .. | .. | .. | .. | April 5 | April 19 | 15 | ·04 |
| | | April 27 | May 14 | 18 | .. | .. | .. | .. | April 27 | May 16 | 20 | ·02 |
| Cheshire .....3 | Birkenhead (Bidston Obsy.) ... | .. | .. | .. | .. | .. | .. | .. | April 5 | April 19 | 15 | ·07 |
| | | April 27 | May 14 | 18 | .. | .. | .. | .. | April 27 | May 14 | 18 | ·00 |
| | | Oct. 6 | Oct. 20 | 15 | Oct. 3 | Nov. 1 | 30 | ·18 | Oct. 4 | Oct. 20 | 17 | ·01 |
| North Lancs. .5 | Blackpool (Stanley Park) ..... | May 1 | May 18 | 18 | .. | .. | .. | .. | April 27 | May 18 | 22 | ·04 |
| | | Oct. 4 | Oct. 20 | 17 | Oct. 3 | Nov. 1 | 30 | ·18 | Oct. 4 | Oct. 20 | 17 | ·00 |
| Yorks W.R. ..8 | Wakefield (Clarence Park)..... | .. | .. | .. | .. | .. | .. | .. | Mar. 6 | Mar. 20 | 15 | ·10 |
| | | .. | .. | .. | .. | .. | .. | .. | April 5 | April 23 | 19 | ·11 |
| | | .. | .. | .. | .. | .. | .. | .. | April 27 | May 16 | 20 | ·08 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 2 | Oct. 20 | 19 | ·12 |
| Yorks E.R.....3 | Hull (Pearson Park) ..... | .. | .. | .. | .. | .. | .. | .. | April 5 | April 24 | 20 | ·07 |
| | | .. | .. | .. | .. | .. | .. | .. | April 27 | May 13 | 17 | ·08 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 3 | Oct. 19 | 17 | ·04 |
| Yorks N.R. ...2 | Felixkirk (Mount St. John) ... | Oct. 5 | Oct. 19 | 15 | Oct. 3 | Oct. 31 | 29 | ·26 | Oct. 4 | Oct. 19 | 16 | ·03 |
| Yorks N.R. ...5 | Scarborough ..... | .. | .. | .. | .. | .. | .. | .. | Oct. 3 | Oct. 19 | 17 | ·03 |
| Northumber- 3 land | Newcastle (Leazes Park) ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 6 | Feb. 21 | 16 | ·08 |
| | | Oct. 5 | Oct. 20 | 16 | .. | .. | .. | .. | Oct. 3 | Oct. 21 | 19 | ·07 |
| Northumber- 6 land | Ilderton (Lilburn Tower Gdns.) | Feb. 7 | Feb. 21 | 15 | .. | .. | .. | .. | Feb. 7 | Feb. 21 | 15 | ·00 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 3 | Oct. 19 | 17 | ·03 |
| Cumberland ..1 | Geltsdale ..... | .. | .. | .. | .. | .. | .. | .. | April 26 | May 12 | 17 | ·07 |
| Cumberland ..2 | Keswick (High Hill) ..... | April 27 | May 12 | 16 | April 26 | May 25 | 30 | ·26 | April 26 | May 15 | 20 | ·05 |
| | | .. | .. | .. | Oct. 3 | Nov. 1 | 30 | ·26 | Oct. 4 | Oct. 19 | 16 | ·07 |
| Cumberland ..3 | Ravenglass (The Grove) ..... | May 1 | May 15 | 15 | April 26 | May 25 | 30 | ·30 | April 26 | May 15 | 20 | ·02 |
| | | .. | .. | .. | Oct. 3 | Nov. 1 | 30 | ·15 | Oct. 3 | Oct. 19 | 17 | ·08 |
| Pembroke ....4 | St. Ann's Head ..... | .. | .. | .. | Mar. 22 | April 24 | 34 | ·29 | .. | .. | .. | .. |
| Cardigan.....2 | Aberystwyth (P.B.S.) ..... | .. | .. | .. | .. | .. | .. | .. | April 30 | May 19 | 20 | ·08 |

## Table 3c Droughts and Dry Spells in 1946 (*continued*)

| County and River Division | Station | Absolute Droughts | | | Partial Droughts | | | | Dry Spells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Began | Ended | Lasted | Rain | Began | Ended | Lasted | Rain |
| | | | | days | | | days | in. | | | days | in. |
| Merioneth ....1 | Bala (Tegid Street) ..... | .. | .. | .. | .. | .. | .. | .. | April 30 | May 15 | 16 | ·07 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 4 | Oct. 18 | 15 | ·02 |
| Anglesey ..... | Llanerchymedd (Ll'diarth Es.) . | .. | .. | .. | .. | .. | .. | .. | Oct. 4 | Oct. 18 | 15 | ·04 |
| Isle of Man .. | Douglas (Borough Cemetery) . | May 1 | May 15 | 15 | .. | .. | .. | .. | May 1 | May 15 | 15 | ·00 |
| | | .. | .. | .. | Oct. 4 | Nov. 1 | 29 | ·27 | Oct. 4 | Oct. 18 | 15 | ·02 |
| SCOTLAND | | | | | | | | | | | | |
| Kirkcudbright .5 | Lochrutton (Dumfries W.W.) . | April 26 | May 15 | 20 | .. | .. | .. | .. | April 26 | May 15 | 20 | ·00 |
| | | .. | .. | .. | Oct. 4 | Nov. 1 | 29 | ·29 | .. | .. | .. | |
| Peeblesshire ...2 | Stobo Castle ..... | April 28 | May 12 | 15 | .. | .. | .. | . | April 24 | May 16 | 23 | ·10 |
| Berwickshire ..4 | Marchmont House . .. ..... | .. | .. | .. | Mar. 23 | May 15 | 54 | ·51 | Mar. 23 | April 15 | 24 | ·10 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 4 | Oct. 18 | 15 | ·02 |
| Lanarkshire ...5 | Strathaven (Dungavel) ..... | April 26 | May 12 | 17 | .. | .. | .. | .. | April 26 | May 15 | 20 | ·05 |
| Ayrshire .....8 | Colmonell (Knockdolian) ..... | April 25 | May 19 | 25 | April 25 | May 27 | 33 | ·24 | April 25 | May 20 | 26 | ·02 |
| | | .. | .. | .. | Oct. 5 | Nov. 3 | 30 | ·23 | Oct. 5 | Oct. 19 | 15 | ·03 |
| Renfrewshire ..3 | Greenock (Prospect Hill) ..... | April 26 | May 19 | 24 | .. | .. | .. | .. | April 26 | May 20 | 25 | ·03 |
| Stirlingshire ...1 | Falkirk (Arnotdale) ..... | April 25 | May 12 | 18 | April 17 | May 15 | 29 | ·26 | April 24 | May 15 | 22 | ·06 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 3 | Oct. 18 | 16 | ·04 |
| Argyllshire ...8 | Lochgilphead (Poltalloch) .... | April 26 | May 13 | 18 | April 25 | May 25 | 31 | ·30 | April 25 | May 20 | 26 | ·07 |
| | | Oct. 5 | Oct. 22 | 18 | Oct. 4 | Nov. 4 | 32 | ·30 | Oct. 5 | Nov. 1 | 28 | ·04 |
| Argyllshire ..14 | Islay (Eallabus) ..... | April 26 | May 14 | 19 | April 25 | May 26 | 32 | ·26 | April 25 | May 14 | 20 | ·03 |
| | | Oct. 6 | Oct. 22 | 17 | .. | .. | .. | .. | Oct. 6 | Oct. 22 | 17 | ·00 |
| Argyllshire ..14 | Mull (Gruline) ..... | April 26 | May 14 | 19 | April 26 | May 27 | 32 | ·26 | April 26 | May 20 | 25 | ·03 |
| | | Oct. 6 | Oct. 21 | 16 | .. | .. | .. | .. | Oct. 6 | Oct. 24 | 19 | ·03 |
| Argyllshire ..14 | Tiree . ..... .. | April 25 | May 14 | 20 | April 23 | May 27 | 35 | ·31 | April 24 | May 14 | 21 | ·02 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 4 | Oct. 18 | 15 | ·03 |
| Fifeshire .....3 | Leuchars (Airfield) ..... | .. | .. | .. | Mar. 18 | May 15 | 59 | ·51 | Mar. 21 | April 15 | 26 | ·02 |
| | | April 24 | May 13 | 20 | .. | .. | .. | .. | April 17 | May 14 | 28 | ·05 |
| | | Oct. 4 | Oct. 19 | 16 | Oct. 3 | Oct. 31 | 29 | ·29 | Oct. 3 | Oct. 19 | 17 | ·02 |
| Perthshire ...11 | Aberfeldy (Dall Avon) ..... | .. | .. | .. | Mar. 21 | April 21 | 32 | ·32 | Mar. 21 | April 15 | 26 | ·10 |
| | | April 26 | May 11 | 16 | .. | .. | .. | .. | April 26 | May 11 | 16 | ·00 |
| | | Oct. 4 | Oct. 18 | 15 | Sept. 26 | Oct. 31 | 36 | ·32 | Oct. 3 | Oct. 18 | 16 | ·02 |
| Aberdeenshire .1 | Balmoral Castle Gardens..... | .. | .. | .. | Mar. 13 | April 20 | 39 | ·38 | Mar. 13 | April 8 | 27 | ·11 |
| | | Oct. 5 | Oct. 19 | 15 | Sept. 22 | Oct. 31 | 40 | ·39 | Oct. 4 | Oct. 26 | 23 | ·05 |
| Aberdeenshire .2 | Aberdeen Observatory ..... | .. | .. | .. | Mar. 23 | May 11 | 50 | ·49 | April 27 | May 13 | 17 | ·07 |
| | | Oct. 5 | Oct. 21 | 17 | .. | .. | .. | .. | Oct. 5 | Oct. 21 | 17 | ·00 |

## Table 3c Droughts and Dry Spells in 1946 (*concluded*)

| County and River Division | Station | Absolute Droughts | | | Partial Droughts | | | | Dry Spells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Began | Ended | Lasted | Rain | Began | Ended | Lasted | Rain |
| | | | | days | | | days | in. | | | days | in. |
| Aberdeenshire 4 | Peterhead (Forehill Works) ... | .. | .. | .. | Mar. 18 | April 21 | 35 | ·34 | .. | .. | .. | .. |
| | | .. | .. | .. | .. | .. | .. | .. | April 27 | May 12 | 16 | ·01 |
| | | Oct. 6 | Oct. 21 | 16 | .. | .. | .. | .. | Oct. 6 | Oct. 22 | 17 | ·01 |
| Morayshire....2 | Fochabers (Gordon Castle) ... | .. | .. | .. | Mar. 13 | April 15 | 34 | ·34 | Mar. 23 | April 8 | 17 | ·07 |
| | | .. | .. | .. | .. | .. | .. | .. | April 27 | May 11 | 15 | ·02 |
| | | Oct. 6 | Oct. 22 | 17 | Sept. 15 | Nov. 5 | 52 | ·49 | Oct. 5 | Oct. 26 | 22 | ·02 |
| Inverness .....2 | Dalwhinnie..... | April 27 | May 13 | 17 | April 24 | May 29 | 36 | ·30 | April 27 | May 13 | 17 | ·00 |
| | | Oct. 5 | Oct. 26 | 22 | Sept. 28 | Nov. 2 | 36 | ·35 | Oct. 5 | Nov. 2 | 29 | ·03 |
| Inverness .....6 | Loch Ness (Foyers) .. ..... | .. | .. | .. | Oct. 3 | Nov. 5 | 34 | ·34 | .. | .. | .. | .. |
| Inverness ....16 | Fort William (Teviot)..... | April 26 | May 13 | 18 | .. | .. | .. | .. | April 26 | May 20 | 25 | ·06 |
| | | .. | .. | .. | Oct. 4 | Nov. 2 | 30 | ·21 | Oct. 5 | Nov. 2 | 29 | ·07 |
| Inverness ....18 | Skye (Portree) ..... | .. | .. | .. | .. | .. | .. | .. | April 24 | May 12 | 19 | ·08 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 5 | Oct. 22 | 18 | ·02 |
| | | .. | .. | .. | .. | .. | .. | .. | April 27 | May 11 | 15 | ·05 |
| Ross and Cromarty 3 | Fortrose ..... | .. | .. | .. | Oct. 3 | Nov. 5 | 34 | ·34 | Oct. 4 | Oct. 20 | 17 | ·05 |
| | | .. | .. | .. | .. | .. | .. | .. | Dec. 6 | Dec. 24 | 19 | ·10 |
| Ross and Cromarty 7 | Ullapool . ..... | May 16 | May 30 | 15 | April 24 | May 30 | 37 | ·33 | May 16 | May 30 | 15 | ·00 |
| | | Oct. 5 | Oct. 22 | 18 | .. | .. | .. | .. | Oct. 5 | Oct. 22 | 18 | ·00 |
| Ross and Cromarty 10 | Stornoway (Airfield) ..... | .. | .. | .. | .. | .. | .. | .. | April 24 | May 13 | 20 | ·12 |
| | | .. | .. | .. | Oct. 5 | Nov. 2 | 29 | ·28 | Oct. 5 | Oct. 22 | 18 | ·04 |
| Sutherland ....3 | Kinbrace (Auchintoul) ..... | Oct. 6 | Oct. 20 | 15 | .. | .. | .. | .. | Oct. 5 | Oct. 22 | 18 | ·03 |
| Sutherland ....5 | Loch More (Achfary) ..... | .. | .. | .. | .. | .. | .. | .. | April 26 | May 10 | 15 | ·01 |
| | | Oct. 6 | Oct. 22 | 17 | .. | .. | .. | .. | Oct. 5 | Oct. 22 | 18 | ·03 |
| Caithness .....3 | Thurso (Buckies) .. ..... | Oct. 6 | Oct. 20 | 15 | .. | .. | .. | .. | Oct. 5 | Oct. 20 | 16 | ·03 |
| NORTHERN IRELAND | | | | | | | | | | | | |
| Co. Fermanagh 1 | Newtownbutler (Crom Castle) . | .. | .. | .. | .. | .. | .. | .. | Mar. 23 | April 6 | 15 | ·03 |
| | | April 27 | May 12 | 16 | .. | .. | .. | .. | April 27 | May 13 | 17 | ·02 |
| | | .. | .. | .. | .. | .. | .. | .. | Oct. 2 | Oct. 16 | 15 | ·08 |
| C. Armagh ...5 | Armagh Observatory ..... | .. | .. | .. | .. | .. | .. | .. | Mar. 23 | April 6 | 15 | ·02 |
| | | April 27 | May 15 | 18 | .. | .. | .. | .. | April 26 | May 15 | 20 | ·05 |
| Co. Down ....2 | Seaforde ..... | Mar. 23 | April 6 | 15 | Mar. 21 | April 18 | 29 | ·25 | Mar. 21 | April 6 | 17 | ·05 |
| | | April 27 | May 14 | 18 | .. | .. | .. | .. | April 27 | May 15 | 19 | ·01 |
| Co. Antrim ...5 | Ballymena (Harryville) ..... | April 27 | May 14 | 18 | .. | .. | .. | .. | April 27 | May 14 | 18 | ·00 |
| Co. L'derry ...5 | Londonderry (Creggan Res.) .. | April 28 | May 12 | 15 | .. | .. | .. | .. | April 26 | May 12 | 17 | ·06 |
| Co. Tyrone....3 | Omagh (Edenfel) ..... | April 27 | May 12 | 16 | .. | .. | .. | .. | April 25 | May 12 | 18 | ·03 |

# 4. Rain Spells and Wet Spells in 1946

THE definitions of the terms "rain spell" and "wet spell" as used in this section, are analogous to those of the terms "absolute drought" and "dry spell" which are used in the previous section. Thus:

A **rain spell** is a period of at least 15 consecutive days to each of which is credited ·01 inch of rain or more.

A **wet spell** is a period of at least 15 consecutive days to each of which is credited ·04 inch of rain or more.

In other words, a *rain spell* contains at least 15 consecutive rain-days and a *wet spell* contains at least 15 consecutive wet days.

Table 4C contains particulars of all rain spells and wet spells* during 1946 which were reported from the 82 selected stations of Table 2A. Stations from which no rain spells or wet spells were reported are omitted from this table. The number of stations omitted is 22, of which 18 are in England, 3 in Scotland and one in the Isle of Man.

In 1946 the total number of rain spells at the selected stations was 134 and of these 42 ranked as or included wet spells. The longest rain spell, 42 days with 7·37 inches of rain, was recorded at Stornoway from January 21 to March 3. Rain spells of shorter duration, but appreciably greater intensity, were widely reported, the outstanding example being at Treherbert, Glamorgan, where in a spell of 22 days from November 12 to December 3 there was 21·00 inches of rain, or a mean daily fall of ·95 inch.

Of the 134 rain spells, 45 fell between January 18 and March 4, 44 between May 27 and September 27 and 45 between October 31 and December 15. It is most unusual to have rain spells occurring at one place or other throughout four summer months (May 27 to September 27). Fort William and Loch More each had three rain spells in this period. April was the only calendar month which was entirely free from rain spells over the country as a whole.

There were 42 wet spells in 1946, of which 21 fell between January 20 and March 4 and 13 between November 10 and December 5. They were confined to western districts, no wet spells being recorded east of a line running from Portland to Berwick and thence to Inverness. Wet spells were also recorded at stations in the Western Highlands between July 16 and August 21 and between August 26 and September 27. The latter spell was also reported over Northern Ireland. The longest spell, 37 days with 14·71 inches of rain, occurred at Loch More, Sutherland from January 27 to March 4.

A comparison of rain spells and wet spells recorded in 1946 with those for the years 1943–45 is given in Tables 4A and 4B.

* The precise procedure adopted in the allocation of rain spells or wet spells which cover parts of two years is set out in the footnote on page 25, *British Rainfall*, 1926.

## Table 4A Rain Spells* at 82 stations, 1943–1946

| Year | No. of rain spells | DURATION OF SPELLS | | | | STATIONS WITH | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Mean | | Longest | | None | 1 or 2 | 3 or 4 | 5 or more |
| | | Days | Mean rain per day | Days | Mean rain per day | | | | |
| | | | in. | | in. | | | | |
| 1943 .. | 98 | 22 | ·27 | 42 | ·28 | 42 | 26 | 9 | 5 |
| 1944 .. | 95 | 21 | ·26 | 67 | ·19 | 35 | 35 | 10 | 2 |
| 1945 .. | 86 | 19 | ·26 | 40 | ·24 | 35 | 37 | 9 | 1 |
| 1946 .. | 134 | 21 | ·28 | 42 | ·18 | 22 | 42 | 15 | 3 |

* At least ·01 inch each day for 15 days or more

## Table 4B Wet Spells† at 82 stations, 1943–1946

| Year | No. of wet spells | DURATION OF SPELLS | | | | STATIONS WITH | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Mean | | Longest | | None | 1 or 2 | 3 or 4 | 5 or more |
| | | Days | Mean rain per day | Days | Mean rain per day | | | | |
| | | | in. | | in. | | | | |
| 1943 .. | 15 | 21 | ·37 | 26 | ·63 | 71 | 10 | 1 | 0 |
| 1944 .. | 21 | 18 | ·63 | 25 | ·49 | 66 | 16 | 0 | 0 |
| 1945 .. | 22 | 16 | ·35 | 20 | ·41 | 65 | 17 | 0 | 0 |
| 1946 .. | 42 | 19 | ·38 | 37 | ·40 | 57 | 22 | 3 | 0 |

† At least ·04 inch each day for 15 days or more

## Table 4c Rain Spells and Wet Spells in 1946

| County and River Division | Station | Rain Spells* | | | | Wet Spells† | | | | Max. in a Day during Rain Spells | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Total Rain | Began | Ended | Lasted | Total Rain | Date | Rain |
| | | | | days | in. | | | days | in. | | in. |
| ENGLAND AND WALES | | | | | | | | | | | |
| Kent .....1 | Folkestone (Cherry Gardens) .... | Jan. 27 | Feb. 10 | 15 | 2·88 | .. | .. | .. | .. | Feb. 3 | ·43 |
| Hampshire ..1 | Ventnor (Royal National Hosp.) . | Nov. 12 | Dec. 3 | 22 | 5·26 | .. | .. | .. | .. | Nov. 23 | ·85 |
| Hampshire ..1 | Totland Bay (Aston House) ..... | Nov. 16 | Dec. 3 | 18 | 4·39 | .. | .. | .. | .. | Nov. 23 | ·77 |
| Hampshire ..7 | Selborne (The Wakes) ..... | Jan. 22 | Feb. 6 | 16 | 3·15 | .. | .. | .. | .. | Jan. 31 | ·67 |
| | | June 4 | June 20 | 17 | 2·54 | .. | .. | .. | .. | June 9 | ·34 |
| | | Nov. 13 | Dec. 3 | 21 | 8·34 | .. | .. | .. | .. | Nov. 23 | 2·10 |
| Herts .....3 | Royston (Therfield Rectory) .... | Jan. 25 | Feb. 9 | 16 | 1·66 | .. | .. | .. | .. | Jan. 28 | ·34 |
| Oxford .....3 | Oxford (Radcliffe Met. Station) .. | Jan. 25 | Feb. 10 | 17 | 1·92 | .. | .. | .. | .. | Feb. 3 | ·47 |
| Northants .. 4 | Wellingborough (Swanspool) .... | Nov. 19 | Dec. 3 | 15 | 2·26 | .. | .. | .. | .. | Nov. 19 | ·54 |
| Norfolk.....4 | Thetford Waterworks ..... | Oct. 31 | Nov. 21 | 22 | 2·72 | .. | .. | .. | .. | Nov. 14 | ·52 |
| S. Devon.....5 | Teignmouth (Den Gardens) ..... | Jan. 22 | Feb. 5 | 15 | 2·68 | .. | .. | .. | .. | Jan. 22 | ·40 |
| | | Nov. 18 | Dec. 3 | 16 | 6·38 | .. | .. | .. | .. | Nov. 23 | 1·71 |
| N. Devon ...2 | Barnstaple (N. Dev. Athenaeum) | Jan. 22 | Feb. 10 | 20 | 4·16 | .. | .. | .. | .. | Feb. 5 | ·56 |
| Cornwall.....1 | Bude (School House) ..... | Jan. 25 | Feb. 8 | 15 | 3·27 | .. | .. | .. | .. | Jan. 28<br>Feb. 2 | ·48 |
| | | Nov. 16 | Dec. 3 | 18 | 5·13 | .. | .. | .. | .. | Nov. 19 | ·93 |
| Cornwall.....2 | St. Austell (Trevarna)..... | Jan. 22 | Feb. 6 | 16 | 4·81 | .. | .. | .. | .. | Jan. 22 | ·81 |
| | | Nov. 16 | Dec. 3 | 18 | 7·81 | Nov. 16 | Dec. 3 | 18 | 7·81 | Nov. 23 | 1·57 |
| Cornwall.....4 | Tresco Abbey ..... | Jan. 21 | Feb. 6 | 17 | 3·90 | Jan. 22 | Feb. 5 | 15 | 3·86 | Jan. 27 | ·58 |
| | | Nov. 11 | Dec. 3 | 23 | 5·06 | Nov. 12 | Dec. 3 | 22 | 5·05 | Nov. 23 | ·92 |
| Somerset ....5 | Churchstanton (Stapley) ..... | Jan. 22 | Feb, 13 | 23 | 5·43 | .. | .. | .. | .. | Feb. 3 | ·70 |
| | | Aug. 24 | Sept. 8 | 16 | 5·54 | .. | .. | .. | .. | Sept. 3 | 1·65 |
| | | Nov. 15 | Dec. 3 | 19 | 8·16 | .. | .. | .. | .. | Nov. 27 | 1·95 |
| Nottingham ..5 | Mansfield (Carr Bank) ..... | Jan. 25 | Feb. 9 | 16 | 3·06 | .. | .. | .. | .. | Feb. 8 | ·60 |
| Cheshire ....2 | Middlewich (Bostock Hall) ..... | Jan. 26 | Feb. 9 | 15 | 5·21 | Jan. 26 | Feb. 9 | 15 | 5·21 | Feb. 7 | 1·53 |
| | | Nov. 12 | Dec. 3 | 22 | 4·69 | Nov. 19 | Dec. 3 | 15 | 2·69 | Nov. 19 | ·56 |
| Cheshire ....3 | Birkenhead (Bidston Obsy.) ..... | Jan. 21 | Feb. 9 | 20 | 5·23 | Jan. 25 | Feb. 9 | 16 | 4·96 | Feb. 7 | 1·27 |
| | | Nov. 12 | Nov. 29 | 18 | 3·19 | .. | .. | .. | .. | Nov. 13 | ·49 |
| North Lancs. 5 | Blackpool (Stanley Park) ..... | Jan. 22 | Feb. 9 | 19 | 5·46 | .. | .. | .. | .. | Feb. 8 | ·83 |
| | | Nov. 19 | Dec. 3 | 15 | 3·54 | .. | .. | .. | .. | Nov. 20 | ·42 |
| N'humberl'd 3 | Newcastle (Leazes Park) ..... | Nov. 12 | Dec. 5 | 24 | 3·37 | .. | .. | .. | .. | Nov. 20 | ·81 |
| N'humberl'd 6 | Ilderton (Lilburn Tower Gardens) | Nov. 14 | Dec. 3 | 20 | 4·25 | .. | .. | .. | .. | Nov. 20 | ·76 |
| Cumberland .1 | Geltsdale ..... | Jan. 22 | Feb. 19 | 29 | 3·69 | Jan. 22 | Feb. 9 | 19 | 3·32 | Jan. 28 | ·45 |
| | | July 13 | Aug. 6 | 25 | 5·76 | .. | .. | .. | .. | July 26 | ·83 |
| | | Nov. 11 | Dec. 3 | 23 | 4·82 | Nov. 12 | Dec. 3 | 22 | 4·81 | Nov. 17 | ·50 |

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

## Table 4c Rain Spells and Wet Spells in 1946 (*continued*)

| County and River Division | Station | Rain Spells* | | | | Wet Spells† | | | | Max. in a Day during Rain Spells | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Total Rain | Began | Ended | Lasted | Total Rain | Date | Rain |
| ENGLAND AND WALES (*continued*) | | | | days | in. | | | days | in. | | in. |
| Cumberland .2 | Keswick (High Hill) ..... | Jan. 22 | Feb. 13 | 23 | 8·26 | Jan. 24 | Feb. 9 | 17 | 7·81 | Jan. 25 | 1·23 |
| | | July 13 | Aug. 2 | 21 | 4·98 | .. | .. | .. | .. | July 17 | ·83 |
| | | Aug. 26 | Sept. 25 | 31 | 13·12 | .. | .. | .. | .. | Aug. 30 | 1·66 |
| | | Nov. 11 | Dec. 3 | 23 | 11·92 | Nov. 19 | Dec. 3 | 15 | 9·30 | Nov. 24 | 1·55 |
| Cumberland .3 | Ravenglass (The Grove) ..... | Jan. 24 | Feb. 9 | 17 | 4·05 | Jan. 24 | Feb. 8 | 16 | 4·03 | Jan. 25 | ·65 |
| | | Nov. 19 | Dec. 3 | 15 | 5·59 | .. | .. | .. | .. | Nov. 21 | ·88 |
| Glamorgan ..6 | Treherbert (Tyn-y-waun) ..... | Jan. 22 | Feb. 12 | 22 | 16·71 | Jan. 22 | Feb. 9 | 19 | 16·65 | Feb. 2 | 2·41 |
| | | Nov. 12 | Dec. 3 | 22 | 21·00 | .. | .. | .. | .. | Nov. 23 | 5·66 |
| Carmarthen ..2 | Llanddeusant (Pontcrynfe) ..... | Jan. 21 | Feb. 12 | 23 | 8·66 | .. | .. | .. | .. | Jan. 31 | ·93 |
| | | Nov. 11 | Dec. 11 | 31 | 16·16 | .. | .. | .. | .. | Nov. 23 | 2·41 |
| Pembroke ...4 | St. Ann's Head (C. Guard Stn.) .. | Sept. 10 | Sept. 26 | 17 | 2·02 | .. | .. | .. | .. | Sept. 19 | ·63 |
| | | Nov. 16 | Dec. 2 | 17 | 5·00 | .. | .. | .. | .. | Nov. 23 | ·93 |
| Cardigan.....2 | Aberystwyth (P.B.S.) ..... | July 15 | July 29 | 15 | 3·06 | .. | .. | .. | .. | July 26 | ·77 |
| | | Nov. 16 | Dec. 3 | 18 | 4·61 | .. | .. | .. | .. | Nov. 19 | ·89 |
| Radnor .....1 | Birmingham W.W. (Tyrmynydd). | Jan. 22 | Feb. 14 | 24 | 12·20 | Jan. 22 | Feb. 12 | 22 | 12·18 | Feb. 7 | 2·55 |
| | | Aug. 21 | Sept. 26 | 37 | 12·99 | .. | .. | .. | .. | Sept. 3 | 1·77 |
| | | Nov. 12 | Dec. 3 | 22 | 13·23 | Nov. 12 | Dec. 3 | 22 | 13·23 | Nov. 19 | 1·50 |
| Merioneth ...1 | Bala (Tegid Street) ..... | Jan. 22 | Feb. 11 | 21 | 12·93 | Jan. 24 | Feb. 9 | 17 | 12·30 | Feb. 7 | 3·08 |
| | | Nov. 12 | Dec. 3 | 22 | 7·61 | .. | .. | .. | .. | Nov. 21 | ·85 |
| Anglesey ..... | Llanerchymedd (Ll'diarth Es.) ... | Jan. 24 | Feb. 16 | 24 | 6·22 | Jan. 24 | Feb. 12 | 20 | 6·13 | Feb. 7 | ·79 |
| | | Sept. 12 | Sept. 26 | 15 | 3·62 | .. | .. | .. | .. | Sept. 19 | 1·67 |
| SCOTLAND | | | | | | | | | | | |
| Kirkcudbright 5 | Lochrutton (Dumfries W.W.) ... | Jan. 27 | Feb. 12 | 17 | 4·06 | Jan. 27 | Feb. 10 | 15 | 3·80 | Jan. 28 | ·61 |
| | | Aug. 27 | Sept. 10 | 15 | 5·23 | .. | .. | .. | .. | Sept. 10 | 1·46 |
| Peeblesshire ..2 | Stobo Castle ..... | Jan. 27 | Feb. 12 | 17 | 2·58 | .. | .. | .. | .. | Jan. 31 | ·37 |
| | | Nov. 15 | Dec. 5 | 21 | 6·59 | .. | .. | .. | .. | Nov. 25 | ·95 |
| Berwickshire .4 | Marchmont House ..... | Nov. 15 | Dec. 3 | 19 | 4·87 | .. | .. | .. | .. | Nov. 21 | ·56 |
| Lanarkshire ..5 | Strathaven (Dungavel) ..... | Jan. 22 | Feb. 15 | 25 | 5·59 | Jan. 27 | Feb. 12 | 17 | 3·95 | Jan. 25 | ·95 |
| | | Aug. 27 | Sept. 22 | 27 | 7·47 | .. | .. | .. | .. | Sept. 10 | ·85 |
| | | Nov. 15 | Dec. 3 | 19 | 6·50 | .. | .. | .. | .. | Nov. 25 | 1·02 |
| Ayrshire .....8 | Colmonell (Knockdolian) ..... | Jan. 27 | Feb. 15 | 20 | 3·53 | .. | .. | .. | .. | Jan, 29 | ·39 |
| Renfrewshire .3 | Greenock (Prospect Hill) ..... | Jan. 21 | Feb. 12 | 23 | 8·07 | Jan. 22 | Feb. 6 | 16 | 7·51 | Jan. 22 | 1·43 |
| | | Aug. 27 | Sept, 10 | 15 | 3·59 | .. | .. | .. | .. | Sept. 5 | ·81 |
| | | Sept. 12 | Sept. 27 | 16 | 4·60 | .. | .. | .. | .. | Sept. 12 | ·91 |
| | | Nov. 16 | Dec. 2 | 17 | 6·09 | Nov. 16 | Dec. 2 | 17 | 6·09 | Dec. 1 | ·68 |

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

## Table 4c Rain Spells and Wet Spells in 1946 (*continued*)

| County and River Division | Station | Rain Spells* | | | | Wet Spells† | | | | Max. in a Day during Rain Spells | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Total Rain | Began | Ended | Lasted | Total Rain | Date | Rain |
| SCOTLAND (*continued*) | | | | days | in. | | | days | in. | | in. |
| Stirlingshire ..1 | Falkirk (Arnotdale) ..... | Nov. 16 | Dec. 3 | 18 | 4·95 | .. | .. | .. | .. | Nov. 28 | ·74 |
| Argyllshire ..8 | Lochgilphead (Poltalloch) ..... | Jan. 21 | Feb. 15 | 26 | 7·67 | Jan. 21 | Feb. 13 | 24 | 7·44 | Feb. 4 | ·98 |
| | | Sept. 12 | Sept. 27 | 16 | 4·93 | .. | .. | .. | .. | Sept. 14 | ·86 |
| Argyllshire .14 | Islay (Eallabus) ..... | Jan. 20 | Feb. 9 | 21 | 7·09 | .. | .. | .. | .. | Jan. 22 | 1·86 |
| | | Sept. 12 | Sept. 27 | 16 | 4·38 | .. | .. | .. | .. | Sept. 12 | ·83 |
| Argyllshire .14 | Mull (Gruline) ..... | Jan. 20 | Feb. 15 | 27 | 11·74 | Jan. 20 | Feb. 13 | 25 | 11·04 | Jan. 22 | 2·04 |
| | | July 21 | Aug. 10 | 21 | 7·75 | July 21 | Aug. 10 | 21 | 7·75 | July 23 | 1·59 |
| | | Sept. 12 | Sept. 27 | 16 | 7·43 | Sept. 12 | Sept. 27 | 16 | 7·43 | Sept. 26 | 1·56 |
| | | Nov. 16 | Dec. 8 | 23 | 9·55 | Nov. 16 | Dec. 3 | 18 | 8·48 | Dec. 1 | 1·35 |
| Argyllshire .14 | Tiree ..... | Jan. 18 | Feb. 15 | 29 | 8·15 | Jan. 21 | Feb. 9 | 20 | 6·83 | Jan. 22 | 1·54 |
| | | Sept. 12 | Sept. 26 | 15 | 3·58 | .. | .. | .. | .. | Sept. 12 | ·94 |
| Fifeshire ....3 | Leuchars (Airfield) ..... | Nov. 16 | Dec. 2 | 17 | 5·81 | .. | .. | .. | .. | Nov. 20 | 1·25 |
| Perthshire ..11 | Aberfeldy (Dall Avon) ..... | Nov. 16 | Dec. 3 | 18 | 6·09 | Nov. 16 | Dec. 2 | 17 | 6·08 | Nov. 19 | 1·25 |
| Aberdeenshire 1 | Balmoral Castle Gardens..... | Nov. 15 | Dec. 3 | 19 | 5·50 | .. | .. | .. | .. | Nov. 18 | 1·35 |
| Inverness ....2 | Dalwhinnie..... | Jan. 27 | Feb. 12 | 17 | 4·41 | .. | .. | .. | .. | Feb. 7 | ·76 |
| | | Nov. 16 | Dec. 3 | 18 | 4·36 | .. | .. | .. | .. | Dec. 1 | ·95 |
| Inverness ....6 | Loch Ness (Foyers) ..... | Jan. 27 | Feb. 13 | 18 | 2·94 | .. | .. | .. | .. | Jan. 28 | ·55 |
| | | Sept. 10 | Sept. 27 | 18 | 3·33 | .. | .. | .. | .. | Sept. 10 | ·76 |
| Inverness ...17 | Fort William (Teviot)..... | Jan. 20 | Feb. 15 | 27 | 10·48 | Jan. 21 | Feb. 15 | 26 | 10·45 | Jan. 24 | 1·33 |
| | | June 20 | July 8 | 19 | 4·99 | .. | .. | .. | .. | June 28 | ·92 |
| | | July 16 | Aug. 18 | 34 | 10·41 | July 16 | Aug. 18 | 34 | 10·41 | July 23 | 1·49 |
| | | Sept. 12 | Sept. 27 | 16 | 7·99 | Sept. 12 | Sept. 27 | 16 | 7·99 | Sept. 21 | 1·51 |
| | | Nov. 16 | Dec. 2 | 17 | 5·19 | .. | .. | .. | .. | Dec. 1 | 1·17 |
| Inverness ...18 | Skye (Portree) ..... | Jan. 19 | Feb. 23 | 36 | 9·62 | Jan. 22 | Feb. 11 | 21 | 6·65 | Jan. 24 | 1·13 |
| | | Sept. 12 | Sept. 27 | 16 | 7·87 | .. | .. | .. | .. | Sept. 21 | 1·46 |
| | | Nov. 16 | Dec. 5 | 20 | 7·61 | Nov. 16 | Dec. 2 | 17 | 7·25 | Nov. 18 | 1·11 |
| Ross and Cromarty 3 | Fortrose ..... | July 23 | Aug. 6 | 15 | 2·18 | .. | .. | .. | .. | July 23 | ·57 |
| | | Aug. 8 | Aug. 24 | 17 | 1·34 | .. | .. | .. | .. | Aug. 16 | ·31 |
| Ross and Cromarty 7 | Ullapool ..... | Feb. 15 | Mar. 2 | 16 | 3·19 | .. | .. | .. | .. | Feb. 22 | ·65 |
| | | June 16 | July 6 | 21 | 3·06 | .. | .. | .. | .. | July 5 | ·56 |
| | | July 16 | Aug. 1 | 16 | 3·77 | .. | .. | .. | .. | July 19 | 1·32 |
| | | Nov. 16 | Dec. 7 | 22 | 3·07 | .. | .. | .. | .. | Dec. 1 | ·58 |
| Ross and Cromarty 10 | Stornoway (Airfield) ..... | Jan. 21 | Mar. 3 | 42 | 7·37 | Jan. 24 | Feb. 11 | 19 | 4·04 | Jan. 24 | ·61 |
| | | June 21 | July 8 | 18 | 3·69 | .. | .. | .. | .. | July 4 | ·85 |
| | | Sept. 12 | Sept. 27 | 16 | 5·70 | .. | .. | .. | .. | Sept. 26 | 1·44 |

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

## Table 4C Rain Spells and Wet Spells in 1946 (*concluded*)

| County and River Division | Station | Rain Spells* | | | | Wet Spells† | | | | Max. in a Day during Rain Spells | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Total Rain | Began | Ended | Lasted | Total Rain | Date | Rain |
| | | | | days | in. | | | days | in. | | in. |
| SCOTLAND (*continued*) | | | | | | | | | | | |
| Sutherland ...3 | Kinbrace (Auchintoul) ..... | July 23 | Aug. 19 | 28 | 2·16 | .. | .. | .. | .. | July 28 | ·30 |
| | | Aug. 31 | Sept. 24 | 25 | 3·54 | .. | .. | .. | .. | Sept. 13 | ·47 |
| | | Nov. 16 | Dec. 11 | 26 | 7·67 | .. | .. | .. | .. | Nov. 18 | 1·42 |
| Sutherland ...5 | Loch More (Achfary) ..... | Jan. 27 | Mar. 4 | 37 | 14·71 | Jan. 27 | Mar. 4 | 37 | 14·71 | Feb. 3 | 1·35 |
| | | July 1 | July 16 | 16 | 6·44 | .. | .. | .. | .. | July 14 | 1·92 |
| | | July 18 | Aug. 21 | 35 | 9·07 | Aug. 1 | Aug. 21 | 21 | 6·22 | Aug. 19 | 1·06 |
| | | Sept. 4 | Sept. 26 | 23 | 9·79 | Sept. 8 | Sept. 26 | 19 | 9·18 | Sept. 21 | 1·14 |
| | | Nov. 20 | Dec. 5 | 16 | 4·94 | Nov. 20 | Dec. 5 | 16 | 4·94 | Dec. 1 | ·90 |
| Caithness ....3 | Thurso (Buckies) ..... | Feb. 15 | Mar. 1 | 15 | 3·38 | Feb. 15 | Mar. 1 | 15 | 3·38 | Feb. 22 | ·76 |
| | | Nov. 10 | Nov. 27 | 18 | 4·38 | Nov. 10 | Nov. 27 | 18 | 4·38 | Nov. 19 | ·72 |
| NORTHERN IRELAND | | | | | | | | | | | |
| Co. Ferm'gh..1 | Newtownbutler (Crom Castle) ... | Jan. 20 | Feb. 11 | 23 | 6·08 | .. | .. | .. | .. | Jan. 25 | ·87 |
| | | May 27 | June 21 | 26 | 3·12 | .. | .. | .. | .. | June 9 | ·53 |
| | | Aug. 27 | Sept. 26 | 31 | 7·11 | .. | .. | .. | .. | Sept. 20 | ·81 |
| | | Nov. 16 | Dec. 13 | 28 | 5·97 | .. | .. | .. | .. | Dec. 13 | ·81 |
| Co. Armagh .5 | Armagh Observatory ..... | Aug. 26 | Sept. 10 | 16 | 5·52 | Aug. 26 | Sept. 10 | 16 | 5·52 | Aug. 27 | ·80 |
| | | Nov. 16 | Dec. 2 | 17 | 3·35 | .. | .. | .. | .. | Nov. 20 | ·53 |
| Co. Down ...2 | Seaforde ..... | Jan. 20 | Feb. 9 | 21 | 5·54 | .. | .. | .. | .. | Jan. 22 | 1·21 |
| | | July 28 | Aug. 14 | 18 | 1·87 | .. | .. | .. | .. | Aug. 5 | ·31 |
| | | Aug. 27 | Sept. 10 | 15 | 6·73 | .. | .. | .. | .. | Sept. 10 | 1·22 |
| | | Nov. 10 | Dec. 2 | 23 | 5·23 | .. | .. | .. | .. | Nov. 13 | ·92 |
| Co. Antrim ..5 | Ballymena (Harryville) ..... | Jan. 27 | Feb. 15 | 20 | 3·18 | .. | .. | .. | .. | Feb. 5 | ·42 |
| | | July 21 | Aug. 6 | 17 | 1·78 | .. | .. | .. | .. | July 21 | ·39 |
| | | Aug. 27 | Sept. 27 | 32 | 9·49 | .. | .. | .. | .. | Aug. 30 | 1·19 |
| | | Nov. 16 | Dec. 15 | 30 | 5·88 | .. | .. | .. | .. | Dec. 13 | ·82 |
| Co. L'derry ..5 | Londonderry (Creggan Res.) .... | Jan. 20 | Feb. 12 | 24 | 6·12 | .. | .. | .. | .. | Feb. 3 | ·84 |
| | | Feb. 14 | Feb. 28 | 15 | 1·59 | .. | .. | .. | .. | Feb. 22 | ·46 |
| | | July 12 | Aug. 9 | 29 | 4·79 | .. | .. | .. | .. | July 13 | ·45 |
| | | Sept. 2 | Sept. 27 | 26 | 6·35 | Sept. 2 | Sept. 19 | 18 | 5·36 | Sept. 12 | ·84 |
| | | Nov. 15 | Dec. 14 | 30 | 6·33 | Nov. 19 | Dec. 5 | 17 | 3·23 | Dec. 13 | ·94 |
| Co. Tyrone...3 | Omagh (Edenfel) ..... | Jan. 21 | Feb. 13 | 24 | 5·92 | .. | .. | .. | .. | Jan. 22 | ·69 |
| | | Aug. 26 | Sept. 25 | 31 | 10·25 | .. | .. | .. | .. | Aug. 31 | 1·36 |

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

# 5. Duration of Rainfall in 1946

THE duration of rainfall is obtained by measurement of the records of autographic gauges. On these records the amount of rain is measured vertically and the duration of the rainfall is measured horizontally, using scales which are printed upon the charts. The pen of an autographic gauge writes a horizontal line on the record during the time that no rain is falling, and a sloping line whenever rain is passing into the receiver of the gauge. The inclination of the slope to the horizontal varies with the intensity of the rain.

The duration of rainfall discussed in this section is defined as the length of time during which rain is falling at a rate of not less than 0·1 mm. per hour, *i.e.* ·004 in. per hour. The tabulations at all the official stations are made according to this convention, which was first brought into use in *British Rainfall* 1920. The convention was adopted because, during very light rainfall, it was found to be almost impossible to define the exact point on the record where the change occurred from " no rain " to " rain ". By taking a definite limiting slope of the trace as the criterion the difficulty is avoided to a great extent and it is found possible to obtain measurements from different gauges and from different observers which are comparable amongst themselves. The limit 0·1 mm. (·004 in.) per hour is low enough to ensure that no fall of practical importance is excluded.

Table 5A gives the monthly and annual totals of duration of rainfall at 82 stations. Other records of duration are received but the published list has been restricted and gives as good a representation over the country as the distribution of stations permits. Of the 82 records published, 37 were obtained from the Dines Tilting Syphon Rain-gauge which was adopted as the standard Meteorological Office pattern recording rain-gauge in 1936. A description of the gauge appeared in *British Rainfall* 1936.

For the purpose of Table 5A, the month commences at 9 a.m. G.M.T. on the first day of the month and ends at the same hour on the first day of the following month. Duration totals for the year 1946 ranged from about 1300 hours on Snowdon and at Eskdalemuir to less than 400 hours in southeast Scotland and rather more than 400 hours in East Anglia and Fenland. Unfortunately the record at Glenleven (Blackwater Dam), which in earlier years often gave the longest duration, is incomplete and has now been terminated.

Over most of Great Britain November was the month of greatest duration but at some places in Wales, the west of Scotland and Northern Ireland, January and December had totals which exceeded those of November. The largest monthly total, 205 hours, was recorded at Eskdalemuir in November. Rain fell for more than 150 hours fairly widely in that month and this total was exceeded at high level stations in Wales during January, August and December. No station reported as many as 100 hours of rainfall for April and May. In October the maximum duration was only 45 hours which was registered at Princetown and Castle Archdale. During this unusually dry month duration totals of 10 hours or less were reported at widely separated places between Gloucester and Angus. Balmoral had only 4 hours in the month.

Less than 10 hours duration was recorded also in April over East Scotland, with only 2 hours at Perth and 5 hours at Leuchars. Tiree had a meagre 10 hours duration in May.

Details of the duration of rainfall at Camden Square (London) are available back to 1881. The total duration of 607 hours has been exceeded only three times in the previous 65 years, *viz.* in 1903, 1916 and 1919 with 689, 628 and 611 hours respectively. The value of 76 hours in June has been exceeded in only two previous Junes, *viz.* 1903 (102 hours) and 1905 (78 hours). November's total of 88 hours also was the third highest for that month, the Novembers with greater duration totals being 1939 (96 hours) and 1940 (110 hours).

Table 5B sets out the mean monthly and annual values of rate of rainfall at 12 stations chosen to show broadly the variation in rates throughout the country. The values are obtained by dividing the total fall for the month or the year by the duration as given in Table 5A. The mean rates for the year at the 12 stations vary from ·075 in. per hour at Swansea to ·047 in. at Aldergrove. The highest monthly mean rate was ·135 in. per hour at Mildenhall, Suffolk, in July.

## Table 5A Duration of Rainfall at 82 Stations during 1946 (Monthly and Annual values)

| County and River Division | Station | Pattern of Gauge | H't. above Sea | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ft. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. |
| London ....2 | Hampstead Observatory ..... | Hyetograph | 451 | 45 | 69 | 54 | 46 | 52 | 76 | 27 | 52 | 52 | 27 | 108 | 54 | 662 |
| „ .....2 | St. Pancras (Camden Square) . | Dines T.S. | 111 | 51 | 68 | 58 | 47 | 39 | 63 | 26 | 35 | 51 | 28 | 88 | 53 | 607 |
| Surrey .....2 | Lingfield (Sewage Works) ..... | Dines T.S. | 155 | 67 | 62 | 41 | 57 | 37 | 37 | 27 | 65 | 55 | 20 | 101 | 60 | 629 |
| „ .....4 | Caterham (Alderstead Heath) . | Dines T.S. | 577 | 79 | 57 | 52 | 62 | 38 | 61 | 25 | 69 | 69 | 31 | 108 | 57 | 708 |
| „ .... 4 | Croydon (Airport) ..... ..... | Dines T.S. | 217 | 64 | 72 | 58 | 66 | 63 | 58 | 25 | 71 | 71 | 33 | 126 | 62 | 769 |
| „ .....4 | Beddington Park ..... .... | Dines T.S. | 108 | 42 | 50 | 40 | 49 | 41 | 36 | 22 | 53 | 42 | 18 | 93 | 47 | 533 |
| „ .....5 | Dorking (Pixham Lane, S.W.) . | Nat. Syphon | 138 | 71 | 64 | 46 | 56 | 31 | 49 | 20 | 62 | 53 | 25 | 91 | 58 | 626 |
| „ .. . 5 | Epsom (Ruxley Lane, S.W.) .. | Hyetograph | 76 | 25 | 50 | 45 | 46 | 32 | 37 | 15 | 55 | 53 | 14 | 95 | 51 | 518 |
| „ .. ..5 | Weybridge (Weyland, S.W.) ... | Dines T.S. | 50 | 36 | 52 | 44 | 45 | 37 | 40 | 20 | 67 | 42 | 17 | 80 | 49 | 529 |
| „ .....5 | Kingston (Sewage Works) .... | Nat. Syphon | 26 | 30 | 52 | 55 | 49 | 38 | 41 | 17 | 53 | 51 | 20 | 78 | 43 | 527 |
| „ .....5 | Kew Observatory ..... | Dines T.S. | 20 | 41 | 58 | 54 | 52 | 41 | 53 | 22 | 51 | 46 | 23 | 87 | 46 | 574 |
| Kent ..... 2 | Manston (Airfield) ..... | Dines T.S. | 155 | 29 | 47 | 98 | 38 | 27 | 28 | 19 | 55 | 40 | 29 | 72 | 62 | 544 |
| „ .....4 | Strood Waterworks ..... ..... | Nat. Syphon | 112 | 48 | 56 | 45 | 52 | 35 | 35 | 24 | 46 | 49 | 31 | 103 | 43 | 567 |
| Sussex .....3 | Worthing ..... | Dines T.S. | 25 | 54 | 67 | 36 | 56 | 46 | 42 | 24 | 49 | 45 | 10 | 64 | 59 | 552 |
| „ .....5 | Bodle St. (Bucksteep Manor) .. | Dines T.S. | 235 | 63 | 61 | 62 | 49 | 45 | 41 | 25 | 61 | 60 | 19 | 88 | 56 | 630 |
| Hampshire ..2 | Bournemouth..... | Dines T.S. | 139 | 81 | 59 | 20 | 57 | 44 | 61 | 19 | 62 | 73 | 21 | 94 | 58 | 649 |
| „ ..7 | Petersfield (Stoner Hill) ..... | Hyetograph | 747 | 80 | 63 | 41 | 64 | 38 | 81 | 30 | 80 | 89 | 18 | 111 | 76 | 771 |
| „ ..8 | South Farnborough (R.A.E.) .. | Dines T.S. | 226 | 53 | 60 | 38 | 51 | 37 | 50 | 22 | 67 | 63 | 21 | 103 | 53 | 618 |
| Berkshire ...5 | Abingdon . ..... ..... | Dines T.S. | 212 | 53 | 70 | 48 | 36 | 50 | 45 | 18 | 81 | 76 | 23 | 127 | 62 | 689 |
| Middlesex ..1 | Ruislip ..... | Hyetograph | 142 | 39 | 61 | 35 | 34 | 31 | 45 | 18 | 43 | 42 | 14 | 85 | 38 | 485 |
| „ ..2 | Palmer's Green (Broomfield Pk.) | Nat. Syphon | 138 | 38 | 50 | 37 | 30 | 33 | 54 | 45 | 52 | 44 | 16 | 78 | 39 | 516 |
| Hertfordshire2 | Harpenden (Rothamsted) ..... | Nat. Syphon | 420 | 55 | 67 | 55 | 30 | 36 | 58 | 26 | 63 | 64 | 37 | 124 | 45 | 660 |
| Buckingham 3 | Eton (Tangier Island) ..... | Nat. Syphon | 78 | 48 | 77 | 40 | 45 | 33 | 54 | 17 | 56 | 54 | 20 | 88 | 48 | 580 |
| Oxfordshire .3 | Woodstock (Sandford St. Mtn.) | Nat. Syphon | 500 | 32 | 41 | 25 | 26 | 38 | 35 | 17 | 54 | 39 | 25 | 102 | 56 | 490 |
| „ .3 | Upper Heyford (Aerodrome) .. | Nat. Syphon | 422 | 46 | 71 | 35 | 27 | 39 | 48 | 18 | 70 | 52 | 37 | 147 | 75 | 665 |
| Northants ..4 | Peterborough (Sewage P.S.) ... | Nat. Syphon | 9 | 27 | 25 | 23 | 20 | 24 | 31 | 15 | 40 | 34 | 28 | 114 | 62 | 443 |
| Essex .....2 | Ilford (Valentines Park) ..... | N. & Z. Float | 45 | 32 | 58 | 37 | 36 | 36 | 47 | 24 | 29 | 40 | 15 | 87 | 51 | 492 |
| Suffolk .....2 | Ipswich (Belstead Hall) ..... | Nat. Syphon | 125 | 28 | 39 | 35 | 22 | 14 | 39 | 20 | 27 | 28 | 23 | 93 | 54 | 422 |
| „ .....5 | Mildenhall (Airfield)..... | Dines T.S. | 16 | 29 | 49 | 45 | 33 | 25 | 76 | 36 | 53 | 30 | 23 | 97 | 54 | 550 |
| Wiltshire ...3 | Porton (W.D. Expl. Station) .. | Dines T.S. | 364 | 116 | 71 | 48 | 72 | 38 | 62 | 23 | 65 | 75 | 25 | 110 | 56 | 761 |
| S. Devon ...4 | Princetown (H.M. Prison) .... | Nat. Syphon | 1359 | 134 | 112 | 103 | 60 | 73 | 137 | 61 | 109 | 129 | 45 | 137 | 108 | 1208 |
| Cornwall....2 | Falmouth Observatory ..... | Beckley | 169 | 94 | 92 | 65 | 40 | 65 | 75 | 36 | 79 | 101 | 38 | 102 | 86 | 873 |
| Somerset ...1 | Litton (Sherborne Res.) ..... | Dines T.S. | 340 | 71 | (84) | 44 | (70) | 54 | 73 | 38 | 76 | 84 | 23 | (122) | (79) | 818 |
| Somerset ...1 | Bristol (Airport) ..... | Dines T.S. | 209 | 87 | 88 | 44 | 50 | 39 | 57 | 33 | 73 | 68 | 18 | 122 | 69 | 748 |

## Table 5A Duration of Rainfall at 82 Stations during 1946 (Monthly and Annual values)—(*continued*)

| County and River Division | Station | Pattern of Gauge | H't. above Sea | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ft. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. |
| Somerset ...3 | Bridgwater (Northmoor P.S.) | Dines T.S. | 23 | 63 | 50 | 30 | 54 | 50 | 55 | 25 | 59 | 53 | 13 | 87 | 59 | 598 |
| Gloucester ..3 | Cheltenham (Montpellier Gdns.) | N. & Z. Float | 216 | 64 | 42 | 28 | 24 | 31 | 35 | 15 | 64 | 50 | 7 | 105 | 57 | 522 |
| Hereford ...1 | Ross-on-Wye ..... | Hyetograph | 224 | 57 | 36 | 29 | 34 | 39 | 22 | 15 | 53 | 47 | 11 | 115 | 57 | 515 |
| Stafford. ...3 | West Bromwich ..... | Hyetograph | 543 | 44 | 43 | 27 | 33 | 30 | 34 | 27 | 68 | 49 | 16 | 109 | 63 | 543 |
| ,, .....3 | Cannock (Longford Lane S.W.) | Hyetograph | 400 | 50 | 54 | 23 | 27 | 26 | 40 | 21 | 78 | 52 | 20 | 109 | 69 | 569 |
| Warwick ...4 | Birmingham (Handsworth Pk.) | Hyetograph | 424 | 48 | 48 | 24 | 33 | 30 | 45 | 21 | 65 | 45 | 11 | 114 | 55 | 539 |
| Leicester ...4 | Loughborough (Nanpantan Res.) | Hyetograph | 269 | 36 | 58 | 19 | 22 | 23 | 53 | 17 | 57 | 49 | 28 | 128 | 71 | 561 |
| Nottingham 5 | Nottingham (Sneinton P.S.) ... | Fernley | 83 | 31 | 44 | 20 | 21 | 18 | 45 | 19 | 55 | 47 | 27 | 112 | 73 | 512 |
| ,, 5 | Sutton-in-Ashfield (Sew. Works) | Hyetograph | 457 | 72 | 63 | 27 | 32 | 36 | 53 | 36 | 77 | 61 | 37 | 141 | 84 | 719 |
| Cheshire ...1 | Appleton Reservoir ..... | Dines T.S. | 120 | 76 | 81 | 24 | 28 | 18 | 49 | 29 | 49 | 33 | 12 | 69 | 86 | 554 |
| ,, ...1 | Manchester (Ringway) ..... | Dines T.S. | 230 | 92 | 122 | 43 | 39 | 21 | 68 | 65 | 77 | 62 | 12 | 119 | 81 | 801 |
| ,, ...3 | Birkenhead (Bidston Obsy.) ... | Nat. Syphon | 198 | 70 | 77 | 16 | 25 | 22 | 62 | 47 | 58 | 48 | 14 | 85 | 69 | 593 |
| S. Lancs.....2 | Speke Airport ..... | Dines T.S. | 81 | 80 | 83 | 30 | 36 | 24 | 66 | 55 | 71 | 58 | 19 | 114 | 106 | 742 |
| ,, ....3 | Bolton (Queen's Park) ..... | Fernley | 330 | 97 | 108 | 21 | 41 | 22 | 78 | 72 | 97 | 90 | 27 | 139 | 105 | 897 |
| C. Lancs. ...1 | Accrington (Oak Hill Park) ... | Nat. Syphon | 646 | 96 | 109 | 17 | 23 | 16 | 50 | 56 | 66 | 68 | 14 | 111 | 99 | 725 |
| ,, ...3 | Southport (Hesketh Park) .... | Fernley | 38 | 81 | 66 | 18 | 30 | 20 | 56 | 39 | 62 | 57 | 14 | 100 | 80 | 623 |
| N. Lancs. .1 | Barrow-in-Furness (Sew. Works) | N. & Z. Float | 24 | 91 | 74 | 34 | 39 | 28 | 54 | 54 | 89 | 76 | 8 | 125 | 113 | 785 |
| W.R. Yorks 7 | Sheffield W.W. (Rivelin) ..... | Hyetograph | 564 | 69 | 60 | 35 | 29 | 30 | 61 | 31 | 58 | 68 | 32 | 145 | 63 | 681 |
| ,, 9 | Haworth (Lower Laithe Res.) | Hyetograph | 771 | 107 | 117 | 42 | 45 | 30 | 67 | 62 | 94 | 90 | 14 | 143 | 104 | 915 |
| N.R. Yorks .2 | Felixkirk (Mount St. John) ... | Halliwell | 542 | 41 | 17 | 30 | 37 | 33 | 48 | 39 | 72 | 51 | 8 | 98 | 82 | 556 |
| ,, .2 | Leeming ..... | Dines T.S. | 107 | 46 | 23 | 22 | 48 | 38 | 44 | 43 | 66 | 60 | 17 | 129 | 84 | 620 |
| Glamorgan .1 | Felindre (Upper Lliw Res.) ... | Hyetograph | 599 | 107 | 79 | 30 | 28 | 37 | 109 | 51 | 107 | 109 | 31 | 118 | 78 | 884 |
| ,, .3 | Swansea (Victoria Park) ..... | Hyetograph | 28 | 67 | 54 | 19 | 25 | 45 | 70 | 31 | 74 | 82 | 29 | 96 | 64 | 656 |
| ,, .7 | Cardiff (Penylan)..... | Nat. Syphon | 202 | 69 | 51 | 26 | 38 | 38 | 78 | 30 | 80 | 64 | 12 | 88 | 55 | 629 |
| Cardigan....2 | Aberporth ..... | Dines T.S. | 378 | 116 | 68 | 40 | 31 | 44 | 65 | 35 | 82 | 68 | 25 | 111 | 73 | 758 |
| Brecon .....4 | Taf Fechan (Pontsticill) ..... | Dines T.S. | 1031 | 135 | 97 | 58 | 58 | 60 | 134 | 65 | 153 | 136 | 29 | 170 | 109 | 1204 |
| ,, .....7 | Swansea W.W. (Cray Res.) ... | Dines T.S. | 1043 | 172 | 80 | 63 | 41 | 58 | 112 | 46 | 114 | 147 | 29 | 168 | 117 | 1147 |
| Montgomery 5 | Lake Vyrnwy (Experi. Stn.) ... | Dines T.S. | 995 | 127 | 104 | 35 | 34 | 27 | 99 | 45 | 94 | 99 | 25 | 133 | 100 | 922 |
| Denbigh ....1 | Wrexham (Grove Pk. C. School) | Hyetograph | 277 | 67 | 68 | 29 | 22 | 30 | 48 | 23 | 54 | 50 | 21 | 121 | 86 | 619 |
| Carnarvon ..5 | Snowdon (Cwm Dyli) ..... | Beckley | 310 | 148 | 137 | 74 | 39 | 38 | 142 | 119 | 153 | 118 | 24 | 157 | 152 | 1301 |
| Anglesey .... | Holyhead (Salt Island) ..... | Dines T.S. | 28 | 100 | 65 | 40 | 28 | 19 | 59 | 54 | 71 | 76 | 22 | 124 | 95 | 753 |
| Dumfries ...5 | Eskdalemuir Observatory ..... | Dines T.S. | 794 | 129 | 85 | 130 | 61 | 28 | 100 | 132 | 122 | 133 | 23 | 205 | 142 | 1290 |
| Berwick.....3 | Swinton House ..... | Hyetograph | 200 | 23 | 8 | 38 | 8 | 13 | 18 | 31 | 44 | 41 | 12 | 72 | 29 | 337 |
| Midlothian .5 | Boghall (Coll. of Agriculture) . | Hyetograph | 646 | 47 | 18 | 52 | 15 | 26 | 26 | 48 | 46 | 44 | 15 | 73 | (47) | 457 |

## Table 5A Duration of Rainfall at 82 Stations during 1946 (Monthly and Annual values)—(*concluded*)

| County and River Division | Station | Pattern of Gauge | H't. above Sea | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ft. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. | hrs. |
| Renfrew ....2 | Renfrew (Airport)..... | Dines T.S. | 19 | 119 | 71 | 59 | 48 | 31 | 58 | 62 | 41 | 78 | 23 | 130 | 88 | 808 |
| ,, ....3 | Greenock (Prospect Hill) ..... | Hyetograph | 199 | 140 | 71 | 50 | 58 | 14 | 66 | 68 | 43 | 98 | 12 | 117 | 124 | 861 |
| Argyll ... .4 | Tiree ..... | Dines T.S. | 29 | 95 | 91 | 67 | 22 | 10 | 75 | 77 | 76 | 65 | 11 | 79 | 99 | 767 |
| Fife ..... 1 | Dunfermline..... | Dines T.S. | 237 | 65 | 31 | 54 | 9 | 21 | 33 | 63 | 48 | 67 | 8 | 79 | 58 | 536 |
| ,, .... ...1 | Leuchars (Airfield) ..... | Dines T.S. | 33 | 32 | 27 | 61 | 5 | 33 | 44 | 53 | 59 | 64 | 20 | 119 | 61 | 578 |
| Perth .....8 | Perth (Craigie Haugh) ..... | Hyetograph | 18 | 44 | 23 | 62 | 2 | 30 | 35 | 48 | 34 | .. | .. | 85 | 68 | .. |
| Angus .....1 | Kirriemuir (Lintrathen) ..... | Nat. Syphon | 700 | 64 | 29 | 92 | 6 | 34 | 60 | 70 | 64 | 98 | 7 | 133 | 89 | 746 |
| Aberdeen ...1 | Balmoral Castle Gardens..... | Nat. Syphon | 927 | .. | .. | 43 | 14 | 38 | 31 | 53 | (55) | 87 | 4 | 101 | 46 | .. |
| ,, ...2 | Aberdeen Observatory ..... | Dines T.S. | 79 | 40 | 41 | 47 | 18 | 35 | 48 | 57 | 46 | 63 | 11 | 99 | 53 | 558 |
| Ross and Cromarty 10 | Stornoway ..... | Dines T.S. | 15 | 82 | 85 | 42 | 45 | 16 | 66 | 90 | 55 | 87 | 15 | 112 | 90 | 785 |
| Shetland .... | Lerwick Observatory ..... | Dines T.S. | 269 | 99 | 70 | 59 | 81 | 27 | 89 | 66 | 73 | 68 | 26 | 114 | 104 | 876 |
| Fermanagh 1 | Castle Archdale ..... | Dines T.S. | 225 | 113 | .. | .. | 21 | 21 | 69 | 68 | 91 | 109 | 45 | 100 | 111 | .. |
| Armagh ....5 | Armagh Observatory ..... | Beckley | 209 | 71 | 39 | 30 | 27 | 16 | 56 | 68 | 94 | 106 | 20 | 61 | .. | .. |
| Antrim .....5 | Aldergrove (Airfield) ..... | Dines T.S. | 294 | 95 | 69 | 53 | 35 | 22 | 61 | 80 | 62 | 98 | 17 | 85 | 84 | 761 |

## Table 5B Mean Rate of Rainfall at 12 Stations during 1946 (Monthly and Annual values)

| County and River Division | Station | Rain-fall 1946 | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | ins. per hr. | ins. per hr. | ins. per hr. | ins. per hr. | ins. per hr. | ins. per hr. | ins. per hr. | ins. per hr. | ins. per hr. | ins. per hr. | ins. per hr. | ins. per hr. | ins. per hr. |
| London .....2 | St. Pancras (Camden Square) ... | 29·51 | ·031 | ·041 | ·022 | ·032 | ·076 | ·052 | ·083 | ·111 | ·062 | ·055 | ·038 | ·037 | ·049 |
| Suffolk .....5 | Mildenhall (Airfield)..... | 26·29 | ·037 | ·024 | ·021 | ·037 | ·076 | ·039 | ·135 | ·053 | ·091 | ·063 | ·035 | ·035 | ·048 |
| Wiltshire .....3 | Porton (W.D. Expl. Station) .... | 40·42 | ·023 | ·037 | ·022 | ·037 | ·095 | ·057 | ·063 | ·062 | ·088 | ·076 | ·063 | ·059 | ·053 |
| Hereford .....1 | Ross-on-Wye ..... | 30·94 | ·049 | ·049 | ·036 | ·068 | ·095 | ·067 | ·057 | ·086 | ·090 | ·068 | ·042 | ·045 | ·060 |
| Leicester .....4 | Loughborough (Nanpantan Res.) | 33·38 | ·059 | ·075 | ·044 | ·077 | ·072 | ·060 | ·111 | ·084 | ·072 | ·044 | ·044 | ·035 | ·059 |
| Glamorgan ....3 | Swansea (Victoria Park) ..... | 48·95 | ·074 | ·062 | ·065 | ·058 | ·076 | ·069 | ·077 | ·093 | ·082 | ·086 | ·068 | ·074 | ·075 |
| Denbigh .....1 | Wrexham (Grove Park C. School) | 31·67 | ·045 | ·064 | ·032 | ·038 | ·083 | ·045 | ·063 | ·074 | ·060 | ·076 | ·039 | ·036 | ·051 |
| Dumfries .....5 | Eskdalemuir Observatory ..... | 65·06 | ·059 | ·047 | ·040 | ·032 | ·049 | ·064 | ·035 | ·051 | ·071 | ·039 | ·053 | ·046 | ·050 |
| Aberdeen .....2 | Aberdeen Observatory ..... | 29·75 | ·028 | ·035 | ·030 | ·021 | ·079 | ·052 | ·072 | ·066 | ·059 | ·045 | ·060 | ·054 | ·053 |
| Ross and Cromarty ..10 | Stornoway ..... | 42·40 | ·053 | ·049 | ·054 | ·056 | ·065 | ·057 | ·05^ | ·057 | ·072 | ·049 | ·048 | ·047 | .054 |
| Shetland ..... | Lerwick Observatory ..... | 45·4^ | ·048 | ·052 | ·055 | ·044 | ·025 | ·048 | ·054 | ·061 | ·059 | ·044 | ·051 | ·057 | ·052 |
| Antrim .....5 | Aldergrove (Airfield) ..... | 35·8^ | ·049 | ·030 | ·034 | ·026 | ·065 | ·054 | ·049 | ·069 | ·056 | ·043 | ·042 | ·044 | ·047 |

# 6. Heavy Falls in Short Periods in 1946

HEAVY falls of rain in short periods are of considerable economic importance, for they are frequently of such intensity as to cause extensive flooding, often accompanied by much surface erosion and structural damage to property. Considerable damage may occur as a result of the accumulation of flood water below the area of heaviest rainfall. The amount of the damage depends on a number of factors, such as the shape of the catchment area, the nature of the ground, whether the water finally flows into the river or sea at high or low tide and the relative positions of the towns. In towns the floods may be aggravated by failure of the drainage system to cope with the demands made upon it. The information given in this section supplements that in Section 7, Heavy Falls on Rainfall Days, which deals with falls of longer duration causing often more widespread flooding.

The table below, 6A, indicates the classification used since January 1st, 1936, and described in full in an article in Part IV of *British Rainfall*, 1935. The diagram showing the full classification was printed in the volumes for 1935–1938.

**Table 6A Lower Limits of Intense Rainfalls**

| Time | Noteworthy | | | Remarkable | | | Very Rare | | |
|---|---|---|---|---|---|---|---|---|---|
| | Amount | | Rate | Amount | | Rate | Amount | | Rate |
| mins. | in. | mm. | in./hr. | in. | mm. | in./hr. | in. | mm. | in./hr. |
| 5 or less | ·43 | 10·9 | 5·16 | ·68 | 17·3 | 8·16 | 1·06 | 26·8 | 12·72 |
| 10 „ „ | ·54 | 13·8 | 3·24 | ·85 | 21·6 | 5·10 | 1·31 | 33·2 | 7·86 |
| 20 „ „ | ·68 | 17·3 | 2·04 | 1·06 | 26·8 | 3·18 | 1·61 | 40·9 | 4·83 |
| 30 „ „ | ·77 | 19·7 | 1·54 | 1·19 | 30·3 | 2·38 | 1·82 | 46·2 | 3·64 |
| 40 „ „ | ·85 | 21·6 | 1·27 | 1·30 | 33·2 | 1·95 | 1·98 | 50·3 | 2·97 |
| 50 „ „ | ·91 | 23·2 | 1·09 | 1·40 | 35·6 | 1·68 | 2·12 | 53·8 | 2·55 |
| 60 „ „ | ·97 | 24·5 | ·97 | 1·48 | 37·6 | 1·48 | 2·24 | 56·8 | 2·24 |
| 70 „ „ | 1·01 | 25·7 | ·87 | 1·55 | 39·4 | 1·33 | 2·34 | 59·5 | 2·01 |
| 80 „ „ | 1·05 | 26·8 | ·79 | 1·61 | 40·9 | 1·21 | 2·44 | 61·9 | 1·83 |
| 90 „ „ | 1·09 | 27·8 | ·73 | 1·67 | 42·4 | 1·11 | 2·52 | 64·0 | 1·68 |
| 100 „ „ | 1·13 | 28·8 | ·68 | 1·72 | 43·8 | 1·03 | 2·60 | 66·0 | 1·56 |
| 110 „ „ | 1·16 | 29·6 | ·63 | 1·77 | 45·0 | ·97 | 2·67 | 67·8 | 1·46 |
| 120 „ „ | 1·19 | 30·4 | ·59 | 1·82 | 46·2 | ·91 | 2·73 | 69·4 | 1·37 |

A list of falls of " very rare " intensity of one hour or less recorded since 1939 is given in Table 6B. There are six such outstanding falls in 1946, four being recorded on June 23, one on July 2, and one on July 26. One other very rare fall registered in 1946 was spread over a period of more than an hour.

**Table 6B Rainfalls of Very Rare Intensity lasting for One Hour or less, 1939–1946***

| Year | Date | Div. | Station | Amount | Duration | Rate per hour |
|---|---|---|---|---|---|---|
| | | | | in. | H. M. | in. |
| 1939 | July 21 | V | Teignmouth (Woodlands) ..... | 2·38 | 1 0 | 2·38 |
| 1941 | June 22 | X | Newcastle-upon-Tyne ..... | 1·97 | 0 35 | 3·38 |
| 1941 | Oct. 5 | XI | Cardiff W.W. (Beacons Res.) .... | 2·25 | 0 57 | 2·37 |
| 1942 | June 30 | II | New Malden (Sewage Works) ... | 2·16 | 0 33 | 3·93 |
| 1942 | Aug. 29 | V | Burnham ..... | 2·27 | 0 50 | 2·72 |
| 1943 | Sept. 12 | V | Williton (Catwell) ..... | 2·39 | 1 0 | 2·39 |
| 1943 | Sept. 14 | VII | Ferriby Sluice ..... | 1·88 | 0 15 | 7·52 |
| 1945 | July 15 | VIII | Neston (Vine House) ..... | 1·65 | 0 20 | 4·95 |
| 1946 | July 2 | IV | Bury St. Edmunds (Corp. Depot) | 2·05 | 0 30 | 4·10 |
| 1946 | July 26 | II | Kew Observatory ..... | 1·97 | 0 35 | 3·37 |
| 1946 | June 23 | V | Salisbury (Manor Road) ..... | 2·04 | 0 40 | 3·06 |
| 1946 | June 23 | V | Cullompton ..... | 2·35 | 0 45 | 3·13 |
| 1946 | June 23 | V | Salisbury (Atherton House) ..... | 2·12 | 0 50 | 2·54 |
| 1946 | June 23 | VI | Sutton Coldfield (Wylde Green) . | 2·85 | 1 0 | 2·85 |

* The list of all entries up to 1938 is given in *British Rainfall* 1938, p. 53.

Table 6C gives particulars of 42 falls recorded in 1946 which reached at least the intensity " noteworthy ". In each case the entry gives the largest amount recorded with a mean intensity " noteworthy," " remarkable " or " very rare ", an entry at the highest rate being in general preferred. Entries are credited to the calendar day rather than the " rainfall day " and times quoted are G.M.T.

The geographical distribution of the heavy falls of Table 6C is given in the following summary:

*Number of Noteworthy Rains of Two Hours' Duration or less.*

| | | England and Wales | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | S.E. | S.W. | N.E. | N.W. | Total | Scotland | Northern Ireland | Total |
| 1946 | (a) ..... | 14 | 7 | 2 | 2 | 25 | 4 | 0 | 29 |
| | (b) ..... | 9 | 1 | 1 | 1 | 12 | 1 | 0 | 13 |
| | Total .... | 23 | 8 | 3 | 3 | 37 | 5 | 0 | 42 |
| Mean 1925–1946 ... | | 25 | 14 | 7 | 5 | 51 | 4 | 1 | 56 |

(a) Observations made without autographic rain-gauges.
(b) Readings of autographic gauges.

Of the 42 entries no less than 31 occur in south-east and south-west England. There are 5 in Scotland and none in Northern Ireland. These figures do not indicate the actual relative frequencies of intense falls in the respective districts as the number of observers per unit of area is much greater in the south of England than elsewhere.

Thunderstorms between June 23 and August 30 account for 37 of the 42 entries and of these 9 occur on June 23 and 16 on July 26.

No falls of an intensity qualifying for inclusion in Table 6c were reported in the early months of 1946. The third week of *May* was characterised by widespread thunderstorms and appreciable damage to growing crops was reported in many parts of the country. Mr. L. Atkinson in reporting a severe storm at Rotherham on May 20 wrote :

" About 1630h. lightning and thunder were almost simultaneous, the thunder being of the crackling type. Hail stones about $\frac{1}{8}$ inch diameter fell with heavy rain. On higher ground (350–450 feet) to the northeast and east, the hail was perhaps the most notable feature of the storm. It fell heavily in two forms; one form that of marbles about half-inch in diameter and the other that of flat tablets about an inch square $\frac{1}{8}$ inch thick and perfectly white in colour. This was about 1 to 2 in. deep at the end of the storm and at Kiveton Park, some 6 miles to the southeast, it was 3 in. deep. The whole of the fall, 1·19 in. of rain, occurred between 1605h. and 1815h. Damage was done to electric transport installations, chimneys and wireless aerials." An explosion, believed to have been caused by a meteorite was reported at Painswick, Glos. in a severe storm on the night of May 26.

Thunderstorms occurred frequently in *June* and those on the 23rd were of quite exceptional severity. Of the 9 heavy falls which are included in Table 6c, three rank as " remarkable " and five as of " very rare " intensity.

At Salisbury the rain exceeded all local records since the great storm of 28th June, 1917, when the centre of the downfall was at Bruton, Somerset. The serious flooding which resulted was said to be unparalleled in living memory. From Cullompton, where 2·35 in. of rain fell in 45 minutes, Mr. M. T. Foster wrote :

" No gutters would carry the water, nor would sewers or drains. In the lower part of the town flooding was 3 ft. deep in houses. In one garden and house about £1,000 worth of damage was done. The area of the storm was about 3 square miles. I hear of no heavy falls in our surrounding district." Several observers in the vicinity of Market Harborough reported upwards of 2 in. of rain between 1700h. and 1915h. The centre of the town was badly flooded. Hail stones which were as big as marbles were lying in some places until 1000h. on the 24th. At Sutton Coldfield, near Birmingham, one observer recorded 2·85 in. of rain in an hour. Surface drains could not cope with the flood water and all the bathing and boating lakes overflowed their banks. Six houses, widely separated, were struck by lightning and in two cases fire broke out. In contrast to these conditions some suburbs to the south and west of Birmingham had hardly any rain. Reports of damage by lightning, torrential rains and serious flooding were received from other localities including the south coast, Yorkshire and much of East Anglia. Bovingdon in Hertfordshire had its worst flood in living memory. Several families were rendered homeless and there were some narrow escapes from drowning. Storms also occurred in South Wales, an observer at Cantref Reservoir recording 2·21 in. of rain in 1 hour 55 min. Floods were caused on the main Brecon-Merthyr road and landslides occurred.

Heavy rains accompanied thunderstorms in East Anglia and Lincolnshire on *July* 2 ; most of the rain fell in a short time during the afternoon. At Coningsby, to the south of Horncastle, the storm was described as of

tropical severity; unfortunately there is no measurement of the fall or its intensity. A second area of heavy rain was on the east side of the Wash, extending southward from Hunstanton. At West Raynham, in this area, the rain was " torrential " from 1330h. to 1345h. with hailstones half an inch in diameter. Bury St. Edmunds had a fall of " very rare " intensity, viz. 2·05 ins. in 30 minutes. At Mildenhall the recording gauge was not working properly but it is estimated that in two intense showers ·57 inch fell in 9 minutes (1220h.—1229h.) and ·87 inch in 20 minutes (1430h.—1450h.) Major E. H. Evans-Lombe of Marlingford Hall, near Norwich reported a terrific hailstorm lasting only 5 minutes. Half an hour after the hail stones had fallen they measured $1\frac{1}{4}$ inch. In one greenhouse 168 panes of glass were smashed.

In a violent storm at Farnham in the early hours of July 3, hail stones measuring up to $1\frac{1}{4}$ inch in diameter caused much damage to property and destroyed at least two thirds of the promised fruit and vegetable crops. Bury St. Edmunds suffered the effects of exceptionally heavy rain again in the night of July 3–4. The Borough Surveyor reported that 2·46 in. fell in $4\frac{1}{2}$ hours. The River Linnet overflowed its banks and low lying parts of the town were extensively submerged. Water reached first floor level in several cottages, and some people, marooned in upper rooms, were only rescued by firemen breaking through roofs to reach them.

Thunderstorms of unusual violence were reported on July 26. Extensive damage to property and growing crops occurred and railway traffic was held up by flood water in several places. Table 6c includes several " remarkable " falls and one fall of " very rare " intensity. The latter was at Kew where 1·97 in. fell in 35 minutes. Many of London's Underground services were disorganized by floods and some services had to be suspended for several hours. The historic Burton Dassett windmill in Warwickshire was destroyed by lightning. The storm caused widespread havoc in East Anglia, and floods, which covered the country to the west of Bungay, Suffolk, in a great lake stretching for nearly 10 miles with an average width of one mile, were said to be the worst since 1912. In the West Riding of Yorkshire and also in the Manchester area flooding and damage were exceptionally severe.

Thunderstorms were frequent in *August* but they were less severe than those of July. A fall of " remarkable " intensity at Burgate, near Godalming, on the 9th—1·03 in. in 17 minutes—was accompanied by large hailstones.

Heavy thunderstorms occurred in many parts of the country on *September* 1. Table 6c shows only one " noteworthy " fall (at Lindfield, Sussex) but heavy rains caused flooding and dislocation of railway services in Lancashire and Yorkshire. The " remarkable " fall of 2·34 in. in 2 hours on the 20th at Llandyssul (Cardigan) was accompanied by thunder and lightning. Floods devastated the Towy valley and inestimable damage was done to crops.

In a local thunderstorm on *October* 2 at Whitstable 1·02 in. of rain fell in an hour.

Widespread and very heavy rains occurred in *November* and especially on the 23rd (see Section 7). Only one heavy fall within the limiting period of 2 hours was reported for Table 6c *viz.* 1·26 in. at Ringwood, Hants.

## Table 6c Heavy Falls in Short Periods in 1946

| Country and River Division | Station | Date | Amount | Began at | Duration | Rate per Hour |
|---|---|---|---|---|---|---|
| | **(a) EYE OBSERVATIONS** | | in. | h. m. | min. | in. |
| Norfolk.....1 | Norwich (Marlingford Hall) ..... | July 2 | ·64 | 14 00 | 5 | 7·68 |
| Surrey .....2 | Lingfield (Sewage Works) ..... | July 26 | ·67 | 13 25 | 10 | 4·02 |
| Sussex .....4 | Lindfield (The Common) ..... | Sept. 1 | ·80 | — | 15 | 3·20 |
| Sussex .....7 | Crawley Down (Grange Hill) ... | July 26 | ·78 | — | 15 | 3·12 |
| Angus .....3 | Tannadice (Easter Ogil) ..... | July 27 | ·75 | 15 45 | 15 | 3·00 |
| Surrey .....1 | Godalming (Burgate) ..... | Aug. 9 | 1·13 | — | 17 | 4·20* |
| Norfolk.....2 | Haynford (Grove Cottage) ..... | July 26 | ·95 | — | 20 | 2·85 |
| Angus .....3 | Tannadice (Easter Ogil) ..... | Aug. 30 | 1·01 | 14 45 | 22 | 2·75 |
| Surrey .....1 | Haslemere (Church Hill) ..... | July 26 | ·95 | 15 55 | 25 | 2·28 |
| Suffolk .....5 | Bury St. Edmunds (C. Depot) .... | July 2 | 2·05 | 15 10 | 30 | 4·10† |
| N. R. Yorks...2 | East Harlsey (Harlsey Hall) ..... | July 13 | 1·10 | 13 00 | 30 | 2·20 |
| Roxborough...3 | Hawick (Wolfelee) ..... | Aug. 14 | 1·00 | 17 00 | 30 | 2·00 |
| Glos. .....7 | Bourton-on-Water (Chardwar) ... | June 23 | 1·44 | 17 15 | 35 | 2·47* |
| Wiltshire .....3 | Salisbury (Manor Road) .. ..... | June 23 | 2·04 | 17 50 | 40 | 3·06† |
| S. Devon .....6 | Cullompton ..... ..... | June 23 | 2·35 | 15 40 | 45 | 3·13† |
| Angus .....1 | Forfar (Yeaman Street) ..... | June 26 | ·99 | — | 45 | 1·32 |
| Wiltshire.....3 | Salisbury (Atherton House) ..... | June 23 | 2·12 | 17 45 | 50 | 2·54† |
| Essex .....5 | Sible Hedingham (Hovis Mill Farm) | July 26 | 1·10 | 17 00 | 50 | 1·32 |
| Warwick .....4 | Sutton Coldfield (Wylde Green) .. | June 23 | 2·85 | 16 45 | 60 | 2·85† |
| Stafford.....3 | Stafford (Newport Road) ..... | Aug. 19 | 1·75 | 16 00 | 60 | 1·75* |
| Herts. .....3 | Hoddesdon..... | July 26 | 1·56 | 16 00 | 60 | 1·56* |
| Notts. .....5 | Nottingham (Mansfield House) ... | Aug. 25 | 1·03 | 15 30 | 60 | 1·03 |
| Kent ... .....3 | Whitstable (Green Lees) .... .... | Oct. 2 | 1·02 | 06 55 | 60 | 1·02 |
| Essex .....4 | Felsted School ..... ..... | July 26 | 1·00 | 17 00 | 60 | 1·00 |
| Surrey .....5 | Reigate (Wray Park Road) ..... | July 26 | 1·63 | 16 00 | 70 | 1·40* |
| Warwick .....4 | Sutton Coldfield (The Park) ..... | June 23 | 2·74 | 16 45 | 85 | 1·93† |
| Cardigan.....3 | Llandyssul (Sychpant Horeb) .... | Sept. 20 | 2·34 | 10 00 | 120 | 1·17* |
| Cheshire .....1 | Arnfield Reservoir ..... | July 26 | 1·67 | 13 45 | 120 | ·83 |
| Hants. .....2 | Ringwood (Athol Lodge) ..... | Nov. 23 | 1·26 | — | 120 | ·63 |
| | **(b) AUTOGRAPHIC RECORDS** | | | | | |
| Surrey .....6 | Guildford (Joseph's Road) ..... | July 26 | ·60 | 14 50 | 9 | 4·00 |
| Yorks. N R....4 | Farndale (The Vicarage) ..... | June 23 | 1·28 | 10 45 | 15 | 5·12* |
| London .....2 | St. Pancras (Camden Square) .... | July 26 | ·77 | 16 00 | 15 | 3·08 |
| Hants. .....8 | South Farnborough ..... .. | July 3 | ·91 | 23 15 | 25 | 2·18 |
| Cheshire .....1 | Sale (Carrington Lane) ..... | June 23 | ·80 | 17 35 | 26 | 1·85 |
| London .....1 | Deptford Pumping Station ..... | July 26 | 1·00 | 16 15 | 30 | 2·00 |
| Surrey .....5 | Kew Observatory ..... ..... | July 26 | 1·97 | 15 35 | 35 | 3·37† |
| Kent .....2 | Lympne (Airport) ..... ..... | July 4 | ·83 | 01 38 | 35 | 1·42 |
| Surrey .....6 | Shottermill (Sewage Works) ..... | July 26 | 1·12 | 14 36 | 42 | 1·58 |
| Surrey . .....5 | Weybridge (Weyland Sewage Works) | July 26 | 1·67 | 14 48 | 48 | 2·08* |
| Kirkcudbright 3 | Dalry (Glenlee) ..... | Sept. 5 | 1·25 | 13 50 | 50 | 1·50 |
| Surrey ..... 5 | East Sheen Cemetery .. ..... | July 26 | 1·61 | 15 09 | 87 | 1·11 |
| Brecon .....4 | Cardiff W.W. (Cantref Reservoir) . | June 23 | 2·21 | 11 56 | 115 | 1·15* |

* " Remarkable " fall. † " Very Rare " fall

## Table 6D Number of Days on which specified amounts of Rain fell in specified times during 1946

| County | Station | 10 mm. (0·4 inch) within | | | | | 15 mm. (0·6 inch) within | | | | | 20 mm. (0·8 inch) within | | | | 25 mm. (1·0 inch) within | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 mins. | 15 mins. | 30 mins. | 1 hr. | 2 hrs. | 15 mins. | 30 mins. | 1 hr. | 2 hrs. | 5 hrs. | 30 mins. | 1 hr. | 2 hrs. | 5 hrs. | 1 hr. | 2 hrs. | 5 hrs. | 24 hrs. |
| London ..... | Camden Square ..... | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 2 | 3 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 |
| Surrey ..... | Croydon ..... | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 1 | 4 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 4 |
| „ ..... | Kew Observatory ..... | 1 | 1 | 2 | 2 | 4 | 1 | 1 | 2 | 2 | 6 | 1 | 2 | 2 | 3 | 1 | 2 | 2 | 2 |
| Kent ..... | Manston ..... | 0 | 0 | 2 | 2 | 3 | 0 | 1 | 2 | 3 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 2 |
| Hants ..... | South Farnborough ..... | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 3 |
| Berkshire .... | Abingdon ..... | 0 | 1 | 1 | 2 | 3 | 0 | 1 | 1 | 1 | 3 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 2 |
| Suffolk ..... | Mildenhall ..... | 1 | 1 | 3 | 3 | 4 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 1 |
| Somerset .... | Bristol ..... | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 6 |
| Cheshire .... | Manchester (Ringway) ..... | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 1 | 1 | 4 | 0 | 0 | 1 | 2 | 0 | 1 | 1 | 4 |
| Lancashire .. | Southport ..... ..... | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 |
| Yorkshire ... | Leeming ..... ..... | 0 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| Cardigan.. .. | Aberporth ..... | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| Anglesey .. | Holyhead ..... | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 |
| Dumfries .... | Eskdalemuir Observatory ..... | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 10 |
| Ayr ..... | Kilmarnock ..... ..... ..... | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Fife .. ..... | Leuchars . . ..... ..... | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Aberdeen ... | Aberdeen Observatory ..... | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| „ .... | Balmoral Castle... .... ..... | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 |
| Shetland .... | Lerwick..... | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Co. Antrim .. | Aldergrove ..... | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

The falls are not necessarily continuous nor are they always confined to one calendar day. Not more than one fall of each specified amount is credited to any day; if more than the specified amount fell on any day, that part of it which fell in the shortest time is used for the table. An entry in any of the first four columns under the heading 10 mm. (0·4 inch) naturally recurs in the column or columns to the right, and there is a similar recurrence of the entries under the headings 15 mm. (0·6 inch), 20 mm. (0·8 inch) and 25 mm. (1·0 inch).

# 7. Heavy Falls on Rainfall Days in 1946

THE daily measurements of rain which are set out in this Section are (*a*) falls amounting to 2·5 inches or more on the rainfall day, and (*b*) falls which amount to at least 7·5 per cent of the total recorded for the year 1946. A fall of 2½ inches in a day at any station is sufficiently remarkable to be noticed, but it is likely to be of more frequent occurrence in areas which are normally wet, such as mountainous districts, than elsewhere. Hence the criterion of 7½ per cent is introduced as well in order to admit certain falls of less than 2½ inches in areas where the total rainfall of the year does not exceed 33·3 inches.

A summary of the contents of this section in each of the seventy volumes of *British Rainfall*, 1865–1934, is to be found in an article in Part IV of *British Rainfall*, 1934, which includes a list of the largest amount and highest percentage recorded during each year.

The corresponding figures for the years 1935 to 1946 are set out below.

**Table 7A Maximum Daily Fall and Maximum Percentage**

| Year | ABSOLUTE HIGHEST RAINFALL | | | | ABSOLUTE HIGHEST PERCENTAGE | | | | Year |
|---|---|---|---|---|---|---|---|---|---|
| | Depth | Per cent | Station | Div. | Per cent | Depth | Station | Div. | |
| | in. | % | | | % | in. | | | |
| 1935 | 6·16 | 5·7 | New Dungeon Ghyll | X | 12·2 | 4·83 | Batheaston Reservoir | V | 1935 |
| 1936 | 5·80 | .. | Glen Shiel ..... | XVIII | 12·8 | 3·97 | St. Albans (Oaklands) | III | 1936 |
| 1937 | 5·76 | 18·2 | Waltham-on-Wolds .. | VII | 18·2 | 5·76 | Waltham-on-Wolds . | VII | 1937 |
| 1938 | 7·14 | 5·2 | Buttermere (Hassness) | X | 15·4 | 5·61 | Torquay (Abbey Park) | V | 1938 |
| 1939 | 5·08 | 4·8 | Blaenau Festiniog ... (Slate Quarry) | XI | 11·8 | 4·01 | Milford W.W..... | VI | 1939 |
| 1940 | 6·23 | 6·8 | Rhondda W.W. ..... (Llyn Fawr) | XI | 14·7 | 4·18 | Scarborough(Osgodby) | IX | 1940 |
| 1941 | 5·10 | 9·2 | Merthyr Tydfil ..... (Penybryn Filters) | XI | 18·8 | 4·54 | Wickham Bishops ... | IV | 1941 |
| 1942 | 5·33 | 6·2 | Grange-in-Borrowdale | X | 12·0 | 3·55 | Burnham (Chalbury) | V | 1942 |
| 1943 | 4·44 | 4·6 | Grange-in-Borrowdale | X | 10·5 | 2·78 | Torphins School House | XVII | 1943 |
| 1944 | 5·20 | 3·2 | Snowdon ..... (Llydaw Intake) | XI | 14·0 | 4·45 | Kilve (Harefield) .... | V | 1944 |
| 1945 | 4·85 | 5·4 | Borrowdale (Moraine) | X | 16·6 | 3·82 | Boston (Grand Sluice) | VII | 1945 |
| | | | | | 12·6 | 3·48 | Doxford Hall ..... | X | 1946 |
| 1946 | 6·83 | 6·4 | Princetown ..... (H.M. Prison) | V | 12·6 | 3·51 | Chathill ..... (Preston Tower) | X | 1946 |

Particulars of the seven largest falls of rain during 1946 are given in Table 7B, which also contains the total amount of rain for the year at each station and the percentage of this total accounted for by the highest daily fall.

**Table 7B The largest Daily Rainfalls in 1946**

| Date | Div. | Station | Depth | Per cent of Year | Total for Year |
|---|---|---|---|---|---|
| | | | in. | % | in. |
| Nov. 23.... | V | Princetown (H.M. Prison) ..... | 6·83 | 6·4 | 106·87 |
| Feb. 7.... | XI | Snowdon (Llydaw Intake) ..... .. | 6·20 | 3·4 | 182·96 |
| Nov. 23.... | XI | Rhondda (Castell Nos Reservoir) ..... | 6·15 | 5·5 | 111·70 |
| Nov. 23.... | XI | Rhondda W.W. (Llyn Fawr R.) new g. . | 5·74 | 4 7 | 122·68 |
| Nov. 23.... | XI | Treherbert (Tyn-y-Waun) new g. ..... | 5·66 | 4·9 | 114·98 |
| Nov. 23.... | XI | Treherbert Park..... | 5·27 | 4·6 | 115·64 |
| Nov. 23.... | V | Chagford (Thornworthy) ..... | 5·13 | 5·7 | 90·38 |

Of the 383 falls which reached or exceeded 2·50 inches, 144 reached or exceeded 3·00 inches, 30 reached or exceeded 4·00 inches, 7 reached or exceeded 5·00 inches and 3 reached or exceeded 6·00 inches. No daily fall reached 7·00 inches. In view of the large number of entries available on certain days mentioned below the number included here on these dates has been limited. On each of the days 26 July and 16 August, 15 entries below 2·75 inches have been omitted. On 19 September, 11 entries below 2·75 inches, on 19 November, 16 entries below 2·75 inches and on 23 November, 41 entries below 3 inches have been omitted.

In the tables included in the following account of the heavy falls of the year, a daily fall which is the maximum fall for the year at the station is indicated by ordinary roman type; other falls are in *italics*.

## CHRONICLE

There were a few heavy falls in *January*. Fronts associated with depressions moving north-eastwards between Iceland and Scotland crossed the British Isles between the 4th and the 11th and gave mild wet weather.

**January 4th**

| *Inverness* | *in.* | or % |
|---|---|---|
| Loch Arkaig (Achnacarry) ..... | 2·86 | 3·6 |
| Clunes (L. Lochy W.)..... | 3·38 | 4·5 |

**January 5th**

| *Montgomery* | *in.* | or % |
|---|---|---|
| Machynlleth (Plas Llwyn Gwern) .... | 2·88 | 3·2 |
| *Merioneth* | | |
| Blaenau (Oakeley Quarry) ..... | *3·41* | *2·6* |
| *Carnarvon* | | |
| Beddgelert (Co. School)..... .... | *2·56* | *2·3* |
| Snowdon (Cwm Dyli) ..... | *3·03* | *2·0* |
| Snowdon (Cwm Dyli, Old Rd.) ..... | *2·76* | *1·9* |

**January 9th**

| *Ayrshire* | *in.* | or % |
|---|---|---|
| Afton Reservoir (Filters) ..... | 2·60 | 3·3 |

**January 10th**

| *Glamorgan* | *in.* | or % |
|---|---|---|
| Rhondda (Lluest Wen Res.) ..... | *2·55* | *2·1* |

From about the 23rd until the end of the month the weather was mild and wet. On the 22nd a front was quasi-stationary off the west coast of Scotland and over northern Ireland. During the afternoon of the 24th a warm front moved very slowly across western England and Wales. This was

followed by a cold front which became quasi-stationary for several hours over the northern half of the Irish Sea on the 25th.

**January 22nd**

| *Argyll* | *in.* | or % |
|---|---|---|
| Strachur (Glenbranter) | 2·76 | 3·2 |
| Mull (Ulva) | 2·70 | 4·8 |

**January 23rd**

| *Dunbarton* | *in.* | or % |
|---|---|---|
| Garelochhead(Arddarroch) | 2·79 | 3·5 |

**January 24th**

| *Lancashire* | *in.* | or % |
|---|---|---|
| Coniston (Thwaite Cottage) | *2·69* | *2·8* |
| *Cumberland* | | |
| Hallthwaite (Braystone Res.) | 2·68 | 3·9 |
| *Carnarvon* | | |
| Beddgelert (Co. School) | *2·50* | *2·2* |
| Snowdon (Cwm Dyli) | *3·00* | *2·0* |
| Snowdon (Cwm Dyli, Old Rd.) | *2·85* | *2·0* |
| Snowdon (Llydaw Intake) | *4·30* | *2·3* |

**January 25th**

| *Carnarvon* | *in.* | or % |
|---|---|---|
| Snowdon (Cwm Dyli) | *2·70* | *1·8* |
| Snowdon (Cwm Dyli, Old Road) | *2·60* | *1·8* |
| Snowdon (Llydaw Intake) | *3·50* | *1·9* |

The twelve days January 28 to *February* 8 were unusually wet. Three fronts, associated with an intense depression (centre 952 mb. to the west of Scotland) crossed the British Isles during the afternoon and night of January 31. The unsettled weather continued. On February 7 a secondary depression crossed northern Ireland and southern Scotland.

The total rainfall from January 28 to February 7 was more than 2 inches over most of England and Wales, except in the east and exceeded 5 inches over Dartmoor and most inland districts of Wales and over the south Pennines, and was more than 10 inches in the mountainous districts of south, central and north Wales. The 7th alone gave more than an inch over a large area covering most inland districts of Wales and between Stafford, Liverpool and Burnley, with appreciably more than 2 inches in the mountainous districts of Wales, and over much of the north and west Midlands. At Llydaw Intake (Snowdon) the day's fall amounted to 6·20 inches. As a result of the sustained rains, severe and widespread flooding occurred in many parts of Wales, the west Midlands and Trent Valley. In the Elan Valley (Birmingham W.W.) the run-off on February 7 and 8 exceeded that of any other two consecutive days since measurements commenced there in 1908. At Hereford, the Wye reached a flood level of 17 ft. 6 in. on the 9th, probably as high as any attained there in the last 151 years. At Northwich (Cheshire) flood water rose to a depth of 7 feet above road level in the centre of the town.

**January 31st**

| *Carnarvon* | *in.* | or % |
|---|---|---|
| Snowdon (Cwm Dyli) | *2·56* | *1·7* |
| Snowdon (Llydaw Intake) | *3·45* | *1·9* |

**February 2nd**

| *Glamorgan* | *in.* | or % |
|---|---|---|
| Ferndale Park | 2·55 | 2·6 |

**February 7th**

| *Staffordshire* | *in.* | or % |
|---|---|---|
| Madeley Vicarage | 2·50 | 6·8 |
| *Derbyshire* | | |
| Buxton (Goytsclough) | 2·65 | 4·0 |
| Buxton (Portobello Bar) | 2·71 | 4·5 |
| Buxton (Stanley Moor) | 2·79 | 4·9 |
| Buxton (Terrace Slopes) | 2·55 | 4·3 |
| R. Ashop (Weir) | 2·57 | 3·7 |
| *Cheshire* | | |
| Audlem (Newholme) | 2·60 | 7·7 |
| Bosley School | 2·60 | 5·3 |
| *Glamorgan* | | |
| Treherbert Park | *2·52* | *2·2* |
| Rhondda (Castell Nos Res.) | *2·67* | *2·3* |
| Rhondda (Lluest Wen Res.) | *2·97* | *2·4* |
| *Cardigan* | | |
| Birmingham W.W. (Abergwngu) | 2·80 | 3·4 |
| *Brecon* | | |
| Birmingham W.W. (Elan Village) | 2·50 | 3·6 |
| *Radnor* | | |
| Birmingham W.W. (Tymynydd) | 2·55 | 3·4 |
| Birmingham W.W. (Ciloerwynt) | 2·55 | 3·3 |
| Birmingham W.W. (Tynant) | 3·10 | 3·8 |
| Rhayader | 2·97 | 5·3 |
| Rhayader (East St.) | 2·83 | 4·8 |
| St. Harmons | 3·03 | 5·1 |

| *Montgomery* | *in.* | or % |
|---|---|---|
| Llandiloes (Banhadlog) | 2·70 | .. |
| Llandiloes (Mount Severn) | 2·93 | 4·8 |
| Lake Vyrnwy | 3·60 | 5·0 |
| L. Vyrnwy (Experimental Stn.) | 4·03 | 5·5 |
| L. Vyrnwy (Bank Cynon Isaf.) | 3·91 | 6·0 |
| *Merioneth* | | |
| Bala (Tegid Street) | 3·08 | 5·2 |
| Llanderfel (Palé Gdns.) | 3·38 | 5·8 |
| Blaenau (Oakeley Q.) | *4·02* | *3·1* |
| Blaenau (Llechwedd Q.) | 3·39 | 2·8 |
| *Carnarvon* | | |
| Snowdon (Cwm Dyli) | 3·94 | 2·6 |
| Snowdon (Cwm Dyli, Old Rd.) | 3·85 | 2·6 |
| Snowdon (Llydaw Intake) | 6·20 | 3·4 |

**February 8th**

| *Glamorgan* | *in.* | or % |
|---|---|---|
| Ogmore Valley | *2·67* | *2·4* |
| *Merioneth* | | |
| Llanuwchllyn (Plas-deon) | 2·85 | 3·8 |
| *Carnarvon* | | |
| Snowdon (Cwm Dyli) | *2·60* | *1·7* |
| Snowdon (Llydaw Intake) | *2·50* | *1·4* |

On the 22nd and 23rd a depression south of Iceland moved south-east across north Scotland. It was associated with heavy rain on the 22nd and with widespread gales and wintry showers on the 23rd.

**February 22nd**

| *Yorkshire* | *in.* | or % |
|---|---|---|
| Great Hey | 2·56 | 3·2 |
| Holmbridge (Yateholme) | 2·51 | 3·3 |
| *Montgomery* | | |
| Birmingham W.W. (Bod Talog) | 2·50 | 3·1 |
| *Carnarvon* | | |
| Snowdon (Cwm Dyli) | *2·50* | *1·6* |
| Snowdon (Llydaw Intake) | *2·60* | *1·4* |

By *March* 17 stormy conditions over the Atlantic had spread to the greater part of the British Isles. Precipitation (snow or sleet turning to rain) was widespread on the 17th and rain occurred at many places in the west and north on the 18th and 19th.

**March 17th**

| *Cumberland* | *in.* | or % |
|---|---|---|
| Borrowdale (The Moraine) | *2·50* | .. |

**March 19th**

| *Carnarvon* | *in.* | or % |
|---|---|---|
| Snowdon (Llydaw Intake) | *2·50* | *1·4* |

On *April* 10 a warm front associated with a depression moving eastwards from Iceland skirted the extreme north of Scotland and gave local rain there. There was also rain in this part of Scotland in a warm sector on the 11th and also later at a cold front which moved eastwards across western Scotland on the night of the 11–12.

**April 10th**

| *Sutherland* | *in.* | or % |
|---|---|---|
| Loch More (Achfary) | *2·75* | *3·3* |

**April 11th**

| *Sutherland* | *in.* | or % |
|---|---|---|
| Loch More (Achfary) | 3·90 | 4·7 |

On *May* 7 there was heavy rain in southern England and local thunderstorms when a depression from Spain moved north-west to a position off our south-west coasts.

**May 7th**

| *Kent* | *in.* | or % |
|---|---|---|
| Wye (Agricultural College) | 2·92 | 8·2 |
| Boughton Aluph (The Glebe House) | 2·78 | 8·3 |

During the 16th and 17th a depression over the northern half of the North Sea drifted south-south-westward to the mouth of the English Channel. This depression was associated with rather widespread thunderstorms and heavy local rain in the south.

**May 17th**

| *Devon* | *in.* | or % |
|---|---|---|
| Widecombe-in-the-Moor (Bonehill) | 2·73 | 3·2 |
| Lustleigh (Sunhill) | 3·05 | 4·9 |

The closing days of May were very unsettled. Much rain fell over the southern half of the country on the 26th as a depression over the Low Countries moved westward. In Gloucestershire 1·93 inch fell at Long Newton and 1·92 inch at Cirencester, in Kent 1·62 inch at Folkestone, in Wiltshire 1·75 inch at Calne (Castle Walk) and in South Devonshire 1·78 inch at Holne.

*June* was very unsettled though only on three days were there falls sufficiently heavy for inclusion in this Section. On the 4th a depression to the north-west of Ireland moved eastwards, the fronts associated with it remaining quasi-stationary over northern England. Rain was general and was specially heavy in the Lake District and in North Wales.

A shallow depression moved north-eastwards along a warm front moving south-east over the country on the 23rd. In England there were widespread and severe thunderstorms which caused serious flooding in some areas. A trough of low pressure, associated with a depression moving north-eastwards to the west of Scotland, crossed most of the country on the 29th causing widespread rain and hail which were heavy locally. Severe flooding occurred at Salisbury, Cullompton and elsewhere (see also Section 6).

**June 4th**

| *Cumberland* | *in.* | or % |
|---|---|---|
| Borrowdale (The Moraine) | 3·42 | .. |
| Watendlath Farm | 3·26 | 3·0 |
| Grange-in-Borrowdale (Bield) | 3·16 | 3·2 |
| *Westmorland* | | |
| Patterdale Hall | *2·60* | *2·4* |
| *Carnarvon* | | |
| Snowdon (Cwm Dyli) | *3·46* | *2·3* |
| Snowdon (Cwm Dyli, Old Rd.) | *3·20* | *2·2* |
| Snowdon (Llydaw Intake) | *3·85* | *2·1* |
| *Merioneth* | | |
| Blaenau (Oakeley Q.) | *2·53* | *1·9* |

**June 23rd**

| *Warwickshire* | *in.* | or % |
|---|---|---|
| Birmingham (Erdington) | 2·60 | 7·5 |
| Sutton Coldfield (Wylde Green) | 2·85 | 6·9 |
| Sutton Coldfield (The Park) | 2·74 | 7·5 |
| *Leicester* | | |
| Market Harboro' (Shrewsbury Ave.) | 2·53 | 7·9 |

**June 29th**

| *Merioneth* | *in.* | or % |
|---|---|---|
| Blaenau (Oakeley Quarries) | *2·65* | *2·0* |

During the opening days of *July* a trough of low pressure moved slowly east across the British Isles and there were severe local thunderstorms in England on the 2nd and 3rd (see Section 6). At Westley, near Bury St. Edmunds 2·36 inches fell on the 2nd and 2·75 inches on the 3rd. The rainfall of the 3rd occurred mainly in the south-east of England, no rain being recorded at Mansfield, Warwick and Newbury. Further east amounts exceeded half-an-inch over a narrow strip from Petersfield in the south to Kettering in the north. In the neighbourhood of London the amounts were generally ·2 or ·3 inch. The rainfall again exceeded half-an-inch east of a line from Brighton to Chelmsford and Cambridge, and exceeded an inch in Kent and from the north of the Thames Estuary to the coast at Cromer. There were three areas with more than 2 inches:— around Margate, Bury St. Edmunds and to the west of Norwich.

**July 2nd**

| *Suffolk* | *in.* | or % |
|---|---|---|
| Bury St. Edmunds (Barton Lodge) | 2·87 | 8·6 |

**July 3rd**

| *Kent* | *in.* | or % |
|---|---|---|
| Elmstone | 2·63 | 9·2 |
| Margate | *2·16* | *8·7* |
| *Essex* | | |
| Hatfield Peverel (Rushes Lock) | 1·81 | 7·6 |
| Langford (Treatment Plant) | 1·76 | 7·9 |
| Witham (Wickham Hall) | 1·79 | 7·9 |
| Hatfield Peverel (Lower Farm) | 1·80 | 7·6 |
| Witham (Faulkbourne Hall) | 2·20 | 9·4 |
| Earls Colne (Gram. Sch.) | 2·45 | 8·9 |
| Halstead (Attwoods) | 2·35 | 7·9 |
| Halstead (The Brewery) | 2·43 | 8·8 |
| Sible Hedingham (Hovis Mill F.) | 2·28 | 7·6 |
| Nayland (Boxted Hall) | 2·28 | 7·7 |
| *Suffolk* | | |
| Long Melford (Westgate Ho.) | 2·52 | 8·4 |
| Long Melford (Stafford Wks.) | 2·87 | 10·0 |
| Bury St. Edmunds (Corp. Depot) | 2·80 | 8·1 |
| Bury St. Edmunds (Westley Hall) | *2·75* | *7·4* |
| Hengrave Hall | 2·64 | 8·3 |
| *Norfolk* | | |
| E. Tuddenham (Mulsey) | 2·32 | 7·7 |

Widespread and severe thunderstorms occurred over England and Wales on the 26th causing severe flooding in some areas as a depression over southwest France moved northwards to the North sea.

The rainfall of the 26th exceeded half-an-inch over two belts across the country in a south-west to north-east direction:—the first covered most of Wales and the English Lake District, extending to the east coast between Hull and Alnmouth, and the second from the neighbourhood of Portsmouth across London to the east coast between Lowestoft and Wells (Norfolk). More than 2 inches occurred over a narrow belt extending from Congleton (Cheshire) to the east of Manchester, to Bradford and Leeds and then to Ripon. In the south the patches with more than 2 inches were more local, occurring near Kew (Surrey), Great Dunmow, Bury St. Edmunds, and to the east of Norwich. Many observers recorded falls of " very rare " intensity. (See Section 6).

A trough of low pressure crossed the British Isles on the 28th and gave rain over most of the country.

**July 26th**

| *Suffolk* | *in.* | or % |
|---|---|---|
| Bungay (Flixton Hall) | 3·27 | 10·8 |
| Bury St. Edmunds (Westley Hall) | 2·83 | 7·6 |
| *Norfolk* | | |
| Ditchingham | 3·20 | 9·9 |
| *Cheshire* | | |
| Arnfield Reservoir | 3·01 | 6·2 |
| Stalybridge (Brushes Filter Ho.) | 2·98 | 5·9 |
| *Lancashire* | | |
| Lower Swineshaw Res. | 3·12 | 5·9 |
| *Yorkshire* | | |
| Greenfield (Lower Chew) | 3·37 | 5·5 |
| Greenfield (Sew. Disp. Wks.) | 2·95 | 5·8 |
| Greenfield (Yeoman Hey) | 3·14 | 5·4 |
| Marsden (Deerhill Res.) n.g. | 2·80 | 4·2 |
| Slaithwaite (Deanhead Res.) | 2·97 | 4·8 |

**July 28th**

| *East Lothian* | *in.* | or % |
|---|---|---|
| Garvald (Donolly Res.) | 2·07 | 7·6 |

On *August* 12 a deep depression to the south of Ireland moved across Wales and the Midlands to the North Sea. There were strong winds and gales with rain which was heavy just to the north of the track of the centre. The rainfall amounts exceeded half-an-inch over a broad belt between Barrow-in-Furness and Kirkcudbright on the west to Hartlepool and St. Andrews on the east. Many stations in this area recorded more than an inch and the amounts exceeded 2 inches to the south of Carlisle, over the Cheviots extending to the coast between Alnmouth and Berwick-on-Tweed, as well as over the Lammermuir Hills. To the north of Alnmouth the amounts exceeded 3 inches. The *Newcastle Evening Chronicle* reported damage running into thousands of pounds in the Rothbury area. " Trees were uprooted and torrents pouring down from the hills tore 3 ft. deep channels in several roads."

**August 12th**

| *Northumberland* | *in.* | or % |
|---|---|---|
| Howick Hall Gardens | 2·82 | 9·7 |
| Stamford | 3·18 | 11·8 |
| Doxford Hall | 3·48 | 12·6 |
| Chathill (Preston Tower) | 3·51 | 12·6 |
| Belford (Newlands) | 3·10 | 9·1 |
| Ilderton (Lilburn Tower Gdns.) | 2·74 | 9·8 |
| Berwick-on-Tweed (Ramparts) | 2·83 | 12·1 |
| *Cumberland* | | |
| Troutbeck (Wellbank) | 2·88 | 3·9 |
| *Isle of Man* | | |
| Douglas (Clypse Res.) | 2·52 | 5·1 |
| *Roxburgh* | | |
| Yetholm (Old Graden) | 2·35 | 8·7 |
| Linton (Clifton Park) | 2·35 | 9·4 |
| *Berwick* | | |
| Swinton House | 2·00 | 7·7 |
| Duns (Oxendean) | 2·41 | 8·3 |
| Duns Castle | 2·37 | 8·4 |

On the 16th and 17th a depression off Brittany moved slowly north-eastwards to Germany. On the 16th the rainfall exceeded ·5 inch to the south-east of a line drawn roughly from Bournemouth to Great Yarmouth and more than an inch to the south-east of Portsmouth, London and Clacton-on-Sea. The amounts exceeded 2 inches in the extreme east of Kent and from Worthing to Bexhill, stretching as far inland as Edenbridge, and exceeded 3 inches over the Downs to the north of Brighton and extending almost to Beachy Head.

A complex trough of low pressure which moved eastwards across the Country on the 25th was associated with rain and thunderstorms.

**August 16th**

| *Sussex* | *in.* | or % |
|---|---|---|
| Rottingdean School | 2·96 | 8·4 |
| Brighton (Ovingdean) | 3·24 | 9·1 |
| Hove (Park House) | 2·80 | 7·7 |
| Brighton W.W. (Lewes Road) | 3·36 | 8·7 |
| Brighton W.W. (Mile Oak) | 2·78 | 7·6 |
| Brighton W.W. (Race Hill Res.) | 3·34 | 8·3 |
| Brighton W.W. (Balsdean P.S.) | 3·01 | 8·3 |
| Falmer (Cold Dean) | 3·20 | 7·2 |
| Brighton W.W. (Falmer) | 3·05 | 6·9 |
| Patcham (Vale Avenue) | 3·13 | 7·9 |
| Patcham (Brighton W.W.) | 3·36 | 8·6 |
| Seaford (Newlands) | 3·60 | 10·0 |
| Seaford | 3·12 | 9·0 |
| Newhaven (Poverty Bottom W.W.) | 3·20 | 9·3 |
| Beachy Head (C.G. Stn.) | 2·80 | 7·4 |
| Friston (Water Tower) | 3·62 | 9·4 |
| Friston | 3·37 | 9·1 |
| Jevington | 2·86 | 7·6 |

**August 25th**

| *Suffolk* | *in.* | or % |
|---|---|---|
| Newmarket (Sewage Outfall) | 2·62 | 9·6 |

On the 27th a deepening depression to the south-west of Ireland moved rather slowly north-east across southern Ireland to south Scotland and then north-north-east to central Scotland where it remained quasi-stationary for the rest of the month slowly filling up the while. There was heavy rain on the 28th and showery weather till the close of the month.

**August 28th**

| *Glamorgan* | *in.* | or % |
|---|---|---|
| Rhondda W.W. (Llyn Fawr R.) n.g. | *2·58* | *2·1* |
| Mountain Ash (Darranlas R.) | *2·51* | *3·1* |
| *Carnarvon* | | |
| Snowdon (Llydaw Intake) | *2·97* | *1·6* |

**August 29th**

| *Westmorland* | *in.* | or % |
|---|---|---|
| Patterdale Hall | *2·53* | *2·4* |

**August 30th**

| *Cumberland* | *in.* | or % |
|---|---|---|
| Watendlath Farm | *2·64* | *2·6* |
| Patterdale (Greenside Mine) | 2·55 | 2·4 |

Like the preceding month, *September* was very wet and unsettled. A depression off the south-west coast of Ireland on the 3rd drifted slowly over the British Isles, remaining over them until the 8th. Rain or showers fell over a wide area and thunderstorms were reported locally on the 2nd, 4th-6th and 8th. Reports of floods and damage to crops came from all parts of Britain.

**September 3rd**

| *Devon* | *in.* | or % |
|---|---|---|
| Lee Moor House | *2·50* | *3·1* |
| Princetown (H.M. Prison) | *2·98* | *2·8* |
| Widecombe-in-the-Moor | *2·82* | *3·3* |
| Bovey Tracey (Hedge Barton) | *2·98* | *3·8* |
| Chagford (Fernworthy) | *2·58* | *2·9* |
| Chagford (Metherall) | *2·56* | *2·9* |
| Honiton (Cotleigh House) | 2·52 | 4·3 |
| *Somerset* | | |
| Cricket St. Thomas | 2·66 | 5·2 |
| *Monmouth* | | |
| Blaenavon (Estate Office) | 2·85 | 3·8 |
| Abergavenny (Ty Clyd) | 2·72 | 4·9 |
| *Glamorgan* | | |
| Rhondda (Castell Nos Res.) | *2·88* | *2·6* |
| Rhondda (Lluest Wen Res.) | *2·80* | *2·3* |

**September 4th**

| *Devon* | *in.* | or % |
|---|---|---|
| Dartmoor (Swincombe) | *3·28* | *3·5* |

**September 5th**

| *Kirkcudbright* | *in.* | or % |
|---|---|---|
| Clatteringshaws (Tunnel Intake) | 2·63 | 3·9 |
| Dalry (Glenlee) | 2·52 | 4·3 |
| Dalry (Garroch) | 2·79 | 4·4 |

**September 8th**

| *Devon* | *in.* | or % |
|---|---|---|
| Lustleigh (Sunhill) | *2·95* | *4·7* |

On the 10th a rather vigorous depression approached Scotland from the west and after reaching the Hebrides moved east-south-eastwards to the North Sea. Fronts associated with the depression persisted for a time over Northern Ireland, Northern England and Southern Scotland.

**September 10th**

| *Lancashire* | *in.* | or % |
|---|---|---|
| Torver (Greystones) | 2·68 | 3·4 |
| Coniston (Thwaite Cottage) | 3·10 | 3·2 |
| Coniston (Holywath) | 3·47 | 3·2 |
| Hawkshead Hill | 2·78 | 2·9 |
| High Wray (Wray Castle) | 2·50 | 3·1 |
| *Cumberland* | | |
| Watendlath Farm | *2·63* | *2·6* |
| Hallthwaite (Braystone Res.) | *2·57* | *3·8* |
| Ulpha | 3·06 | 3·5 |
| *Westmorland* | | |
| Grasmere (Meadow Brow) | 2·84 | 2·8 |
| Kendal (Potter Fell) | 2·55 | 3·3 |
| *Kirkcudbright* | | |
| Craigencallie | 2·62 | 3·3 |

Conditions were very stormy from the 18th to the 20th as vigorous depressions, moving quickly eastwards, crossed Wales and England. Heavy rain was widespread over England and Wales on the 19th and destructive gales and local thunderstorms occurred on the 20th. Disastrous floods swept over large areas in Lancashire and Yorkshire. It was estimated that damage in the Bradford area alone would reach £1,000,000. After a brief fair interval on the 21st, broken however by local showers and thunderstorms, a trough of low pressure associated with an eastward moving depression over Iceland, crossed the British Isles on the 22nd and 23rd and brought unsettled, showery weather.

**September 18th**

| *Merioneth* | *in.* | or % |
|---|---|---|
| Blaenau (Oakeley Quarries) | 4·31 | 3·3 |

**September 19th**

| *Yorkshire* | *in.* | or % |
|---|---|---|
| Holmfirth (Snape Res.) | 3·55 | 6·2 |
| Bradford (Doe Park Res.) | 2·75 | 5·6 |
| Bradford (Chellow Dean R.) | 3·10 | 7·5 |
| Bradford (Chellow H'ts. R.) | 3·15 | 7·4 |
| Haworth (Harbour Lodge) | 3·01 | 5·5 |
| Haworth (Lower Laithe R.) | 2·78 | 5·1 |
| Keighley (The Knowle) | 2·78 | 6·9 |
| *Carnarvon* | | |
| Aber (Univ. Coll. Farm) | 2·98 | 6·7 |
| Llanfairfechan (Sch. Ho.) | 2·92 | 6·5 |
| Snowdon (Cwm Dyli) | *3·54* | *2·3* |
| Snowdon (Cwm Dyli, Old Rd.) | *3·35* | *2·3* |
| Snowdon (Llydaw Intake) | *4·36* | *2·4* |
| *Anglesey* | | |
| Llansadwrn (Gadlys Cottage) | 3·25 | 6·9 |

**September 20th**

| *Cambridgeshire* | *in.* | or % |
|---|---|---|
| Wisbech (Tydd Manor) | 2·12 | 8·3 |
| *Norfolk* | | |
| Denver Sluice | 1·88 | 7·5 |
| *Lincolnshire* | | |
| Sutton Bridge | 2·10 | 7·8 |
| *Merioneth* | | |
| Blaenau (Oakeley Q.) | *2·56* | *2·0* |

**September 21st**

| *Lincolnshire* | *in.* | or % |
|---|---|---|
| Whaplode (Irby Hall Farm) | 1·67 | 8·0 |
| *Merioneth* | | |
| Blaenau (Oakeley Quarries) | *3·07* | *2·4* |
| *Ross and Cromarty* | | |
| Glenshiel (Kyle) | 3·05 | 2·4 |

**September 22nd**

| *Glamorgan* | *in.* | or % |
|---|---|---|
| Rhondda W.W. (Llyn Fawr R.) | *2·97* | *2·4* |
| Ogmore Valley | *2·58* | *2·3* |
| Treherbert (Tyn-y-Waun) | *2·83* | *2·5* |

On *November* 17 and 18 a depression off the Hebrides moved east-south-east and there was considerable rain generally and rather widespread gales. On the 19th a complex depression over and to the south-west of Ireland moved slowly north and several fronts associated with it moved north-eastwards across the British Isles. There were thunderstorms at a number of places on the 21st.

**November 17th**

| *Lancashire* | *in.* | or % |
|---|---|---|
| Coniston (Thwaite Cottage) | *2·51* | *2·6* |

**November 19th**

| *Devon* | *in.* | or % |
|---|---|---|
| Princetown (H.M. Prison) | *2·90* | *2·7* |
| *Glamorgan* | | |
| Rhondda W.W. (Llyn Fawr) | *3·75* | *3·1* |
| Ogmore Valley | 3·68 | 3·3 |
| Porth Park | *3·20* | *3·5* |
| Ystradyfodwg (Tyntyla Hos.) | *3·53* | *3·7* |
| Gelligaled Rec. Ground | *3·31* | *3·3* |
| Ferndale Park | 3·43 | 3·5 |
| Treherbert Park | *2·78* | *2·4* |
| Mountain Ash (Darranlas R.) | *2·77* | *3·5* |
| Treherbert (Tyn-y-Waun) | *3·60* | *3·1* |
| Rhondda (Castell Nos. Res.) | *3·77* | *3·4* |
| Rhondda (Lluest Wen Res.) | *3·16* | *2·6* |

| *Brecon* | *in.* | or % |
|---|---|---|
| Taf Fechan (Pentwyn Res.) | *2·76* | *3·1* |
| Cardiff W.W. (Beacons Res.) | *2·79* | *2·7* |
| Cardiff W.W. (Storey Arms) | *2·83* | *2·6* |
| Taf Fechan (Neuadd R.) No. 1A | *2·90* | *2·8* |
| Taf Fechan (Neuadd R.) No. 4 | *2·86* | *2·8* |
| Taf Fechan (Neuadd R.) No. 11A | *2·97* | *2·9* |

**November 20th**

| *Angus* | *in.* | or % |
|---|---|---|
| Broughty Ferry | 2·36 | 8·2 |

**November 22nd**

| *Devon* | *in.* | or % |
|---|---|---|
| Dartmoor (Fox Tor) | 2·63 | 2·7 |

On the 23rd a trough of low pressure, associated with an intense depression to the west of Ireland, moved north-eastwards across the British Isles. A front remained for a time almost stationary over Wales and south-west England. Some rain was recorded at all stations in England and Wales, the amounts exceeding half an inch at most places south-west of a line drawn roughly from Llandudno to Dungeness, as well as over the Pennines and Lake District. The amounts exceeded an inch at most stations in the south, over Wales and in the Lake District, but amounts exceeding 3 inches were confined to Dartmoor and South Wales, where locally 6 inches was recorded. High winds and gales were widespread with local flooding. Conditions remained very unsettled until the end of the month and disastrous flooding occurred widely in all parts of Britain.

**November 23rd**

| *Devon* | *in.* | or % |
|---|---|---|
| Lee Moor House | 3·10 | 3·8 |
| Sheepstor (Redstone) | 3·36 | 4·1 |
| Sheepstor (Head Weir) | 3·54 | 4·6 |
| Dousland Reservoir | 3·89 | 5·0 |
| Yelverton (Yarrow-Dousland) | 3·22 | 4·4 |
| Dartmoor (Lowery) | 3·65 | 4·7 |
| Dartmoor (N. Hessary Tor) | 3·45 | 4·1 |
| Mary Tavy (Blackdown) | 3·75 | 5·1 |
| Coryton Manor | 3·36 | 5·4 |
| South Brent (Millswood) | 3·37 | 4·4 |
| South Brent (Badworthy) | 4·40 | 4·9 |
| S. Brent (Didworthy San.) | 4·29 | 4·8 |
| Ashburton (Hele House) | 4·04 | .. |
| Ashburton (Place) | 4·15 | 5·9 |
| Dartmoor (Swincombe) | 4·67 | 4·9 |
| Princetown (H.M. Prison) | 6·83 | 6·4 |
| Widecombe-in-the-Moor | 4·77 | 5·5 |
| Bovey Tracey (Hedge Barton) | 3·36 | 4·3 |
| Bovey Tracey (Whiddon) | 3·07 | 5·5 |
| Chagford (Fernworthy) | 4·81 | 5·4 |
| Chagford (Metherall) | 4·79 | 5·5 |
| Chagford (Thornworthy) | 5·13 | 5·7 |
| Chagford (Denshams) | 3·72 | 5·6 |
| Chagford (Huish) | 3·02 | 4·9 |
| Okehampton (Waterworks) | 3·05 | 4·5 |
| *Monmouth* | | |
| Tredegar (Poplar Rd.) | 3·36 | 4·6 |
| Tredegar (Laboratory) | 3·36 | 4·5 |
| Ebbw Vale (Iron Works) | 3·46 | 4·8 |
| *Glamorgan* | | |
| Rhondda W.W. (Llyn Fawr R.) n.g. | 5·74 | 4·7 |
| Ogmore Valley | *3·18* | *2·8* |
| Porth Park | 3·24 | 3·5 |
| Pontypridd (Llanfabon) | 3·00 | 4·0 |
| Ystradyfodwg (Tyntyla Hosp.) | 4·48 | 4·8 |
| Gelligaled Rec. Ground | 4·79 | 4·7 |
| Treorchy Pumping Station | 4·43 | 4·3 |
| Ferndale Park | *3·20* | *3·3* |
| Treherbert Park | 5·27 | 4·6 |
| Mountain Ash (Darranlas R.) | 3·70 | 4·6 |
| Treherbert (Tyn-y-Waun) n.g. | 5·66 | 4·9 |
| Rhondda (Castell Nos Res.) | 6·15 | 5·5 |
| Rhondda (Lluest Wen Res.) | 4·52 | 3·8 |
| Merthyr Tydfil (Penybryn Filters) | 3·20 | 4·9 |
| Merthyr Tydfil (Ardwyn) | 3·10 | 4·6 |
| Dowlais | 3·07 | 4·4 |
| Dowlais (Gwernllwyn) | 3·15 | 4·8 |
| *Carmarthen* | | |
| Llyn-y-fan-Fach (Nant Coch) | 4·48 | 4·7 |
| Llyn-y-fan-Fach (T'd-y-Foel) | 4·15 | 5·0 |
| *Brecon* | | |
| Ystradfellte Reservoir | 3·17 | 3·2 |
| Aberdare (Nanthir Res.) | 4·43 | 5·9 |
| Cardiff W.W. (C'n-C'd-y-Cy'er) | 3·83 | 5·4 |
| Cardiff W.W. (Llwynon Res.) | 3·30 | 4·2 |
| Taf Fechan (Pentwyn Res.) | 3·27 | 3·7 |
| Cardiff W.W. (Beacons Res.) | 3·70 | 3·5 |
| Cardiff W.W. (Storey Arms) | 3·73 | 3·4 |
| Taf Fechan (Neuadd Res.) 1A | 3·28 | 3·2 |
| Taf Fechan (Neuadd Res.) 4 | 3·04 | 3·0 |
| Taf Fechan (Neuadd Res.) 11A | 3·34 | 3·3 |
| Ebbw Vale W.W. (Llangynidr) 1 | 3·00 | 3·8 |
| Ebbw Vale W.W. (Llangynidr) W3 | 3·50 | 4·2 |
| Ebbw Vale W.W. (Llangynidr) N.W.2 | 3·25 | 4·0 |
| Ebbw Vale W.W. (Carno W.) | 3·20 | 4·1 |
| Ebbw Vale W.W. (Carno N.) | 3·40 | 4·4 |
| Trecastle (Blaenau Hydfer) | 4·56 | 5·1 |

### November 27th

| *Dorset* | *in.* | or % |
|---|---|---|
| Evershot (Melbury House) | 2·60 | 4·8 |
| *Devon* | | |
| South Brent (Millswood) | *2·56* | *3·3* |
| S. Brent (Didworthy San.) | *2·53* | *2·8* |
| Totnes (Dundridge Gdns.) | 2·95 | 4·1 |
| Totnes (Walrond House) | *2·66* | *4·4* |
| Ashburton (West St.) | *3·13* | *4·5* |
| Ashburton (Hele House) | *2·96* | .. |
| Ashburton (Place) | *2·77* | *3·9* |
| Dartmoor (Fox Tor) | *2·56* | *2·6* |
| Dartmoor (Swincombe) | *3·30* | *3·5* |
| Princetown (H.M. Prison) | *3·28* | *3·1* |
| Widecombe-in-the-Moor | *3·23* | *3·7* |
| Bovey Tracey (Hedge Barton) | *2·71* | *3·5* |

The first eleven days of *December* were very unsettled, depressions or their associated troughs of low pressure crossing the British Isles. On the evening of the 22nd a front remained quasi-stationary over Wales.

### December 12th

| *Carnarvon* | *in.* | or % |
|---|---|---|
| Beddgelert (Co. School) | 2·60 | 2·3 |
| Snowdon (Llydaw Intake) | *3·13* | *1·7* |

### December 22nd

| *Cumberland* | *in.* | or % |
|---|---|---|
| Borrowdale (The Moraine) | *2·80* | .. |
| Watendlath Farm | *2·60* | *2·6* |
| Grange-in-Borrowdale (Bield) | *2·55* | *2·6* |
| *Glamorgan* | | |
| Rhondda W.W. (Llyn Fawr R.) n.g. | *2·52* | *2·1* |
| *Carnarvon* | | |
| Snowdon (Cwm Dyli) | *2·80* | *1·8* |
| Snowdon (Cwm Dyli, Old Road) | *2·75* | *1·9* |

### December 24th

| *Westmorland* | *in.* | or % |
|---|---|---|
| Patterdale Hall | 2·92 | 2·7 |

# 8. Monthly Rainfall in 1946

INFORMATION as to the rainfall of the months of 1946 over Great Britain and Northern Ireland is set out in this section in various forms:

(1) Table 8A gives general values of the monthly and annual rainfall over the constituent areas separately. Similar values for previous years have been given in earlier volumes, except in the case of Northern Ireland which is included in the volume for 1940-1942 for the first time.

(2) Details are given of some of the largest and smallest monthly totals of rainfall reported during 1946.

(3) In Table 8C the monthly and annual totals of rainfall are set out for 335 stations, distributed as evenly as possible over the country.

(4) Table 8D gives the monthly and annual falls expressed as percentages of the averages for 1881 to 1915. It is confined to 123 stations for which averages are available. The monthly totals, in inches, for stations in 8D are given in Table 8C. At the end of Table 8D general monthly percentage values are given for England, Wales, England and Wales, Scotland and Northern Ireland.

**Table 8A General Rainfall for 1946, computed from the average, 1881-1915, by applying the general percentage values given in Tables 8D and 10B to the General Average Values.**

| Months | England | Wales | Isle of Man | England and Wales | Scotland | Northern Ireland |
|---|---|---|---|---|---|---|
| | in. | in. | in. | in. | in. | in. |
| January .. .. .. | 2·9 | 6·8 | 5·2 | 3·4 | 5·6 | 5·1 |
| February .. .. .. | 3·1 | 5·5 | 4·0 | 3·4 | 4·0 | 3·2 |
| March .. .. .. | 1·5 | 1·8 | 1·8 | 1·5 | 2·9 | 1·6 |
| April .. .. .. .. | 1·8 | 1·7 | 1·2 | 1·8 | 2·0 | 1·1 |
| May .. .. .. .. | 2·9 | 3·6 | 1·4 | 3·0 | 1·7 | 1·4 |
| June .. .. .. .. | 3·1 | 4·7 | 4·2 | 3·4 | 4·1 | 4·4 |
| July .. .. .. .. | 3·1 | 3·1 | 1·9 | 3·1 | 5·4 | 4·1 |
| August .. .. .. .. | 5·1 | 7·3 | 4·9 | 5·4 | 4·6 | 5·4 |
| September .. .. .. | 4·4 | 7·6 | 6·5 | 4·9 | 6·6 | 6·4 |
| October.. .. .. .. | 1·5 | 1·8 | ·5 | 1·5 | ·7 | 1·3 |
| November .. .. .. | 5·7 | 8·8 | 8·1 | 6·2 | 7·2 | 4·4 |
| December .. .. .. | 3·5 | 6·3 | 5·5 | 4·0 | 5·2 | 4·8 |
| Year .. .. .. | 38·6 | 59·0 | 45·2 | 41·6 | 50·0 | 43·2 |

**Table 8B General Monthly and Annual Averages of Rainfall 1881-1915**

| Months | England | Wales | Isle of Man | England and Wales | Scotland | Northern Ireland |
|---|---|---|---|---|---|---|
| | in. | in. | in. | in. | in. | in. |
| January .. .. .. | 2·69 | 4·72 | 3·40 | 2·99 | 4·90 | 3·33 |
| February .. .. .. | 2·34 | 3·94 | 3·25 | 2·57 | 4·18 | 2·98 |
| March .. .. .. .. | 2·47 | 3·82 | 3·03 | 2·67 | 4·05 | 3·05 |
| April .. .. .. .. | 1·98 | 2·96 | 2·47 | 2·12 | 2·99 | 2·58 |
| May .. .. .. .. | 2·19 | 2·95 | 2·82 | 2·30 | 3·01 | 2·70 |
| June .. .. .. .. | 2·33 | 3·05 | 2·54 | 2·44 | 2·83 | 2·86 |
| July .. .. .. .. | 2·75 | 3·60 | 3·22 | 2·87 | 3·78 | 3·41 |
| August .. .. .. .. | 3·11 | 4·71 | 4·01 | 3·35 | 4·51 | 4·16 |
| September .. .. .. | 2·37 | 3·51 | 3·22 | 2·54 | 4·00 | 3·01 |
| October.. .. .. .. | 3·69 | 5·63 | 4·64 | 3·97 | 4·90 | 3·61 |
| November .. .. .. | 3·19 | 5·25 | 4·73 | 3·49 | 5·29 | 3·81 |
| December .. .. .. | 3·56 | 6·00 | 4·97 | 3·92 | 5·88 | 4·16 |
| Year .. .. .. | 32·67 | 50·14 | 42·30 | 35·23 | 50·32 | 39·66 |

(5) A set of twelve maps showing cartographically the distribution of the percentage monthly values given in Table 8D is reproduced in this article. The corresponding percentage map for the whole year appears later in Section 10.

A set of twelve maps showing the distribution of the actual rainfall in each month, has been prepared on the scale of 16 miles to the inch, based on the values from some 2,000 stations. Owing to the necessity for economy in printing, these maps have not been reproduced in this article.

In Table 8B the average values, taken from the Book of Normals, Table 21A (M.O.236, Section V) are given for comparison with the values for 1946 given in Table 8A. The values for Northern Ireland have been evaluated more recently in the same manner as was adopted previously for the other areas.

*General Monthly Rainfall*

The general monthly values shown in Table 8A have been computed by applying the percentage values given at the end of Table 8D to the average general values for the period 1881–1915. These computed values in inches have been subsequently slightly adjusted in order that the totals for the year should agree with the totals given in Table 10A, which are based on a more exact determination as explained in the text accompanying that table.

Over England and Wales, and over Scotland, November was the wettest month of the year. Over England and Wales since 1869 only the Novembers of 1926, 1929 and 1940 were wetter, but over Scotland there were ten wetter Novembers. It is noteworthy that over England and Wales the four wettest Novembers in the series were confined to the last 21 years. November and December together gave over England and Wales 10·2 inches, while August and September gave

10·3 inches, the four months giving 58 per cent. of the annual average. The rainfall of November and December was exceeded in these months as recently as 1940, but August and September gave more than in any similar period since 1869, with the one exception of 1927, with 11·0 inches. On the other hand, over Scotland October was easily the driest October in the series and over England and Wales there were only four drier Octobers and these were but slightly drier.

## *Extremes of Monthly Rainfall at Individual Stations*

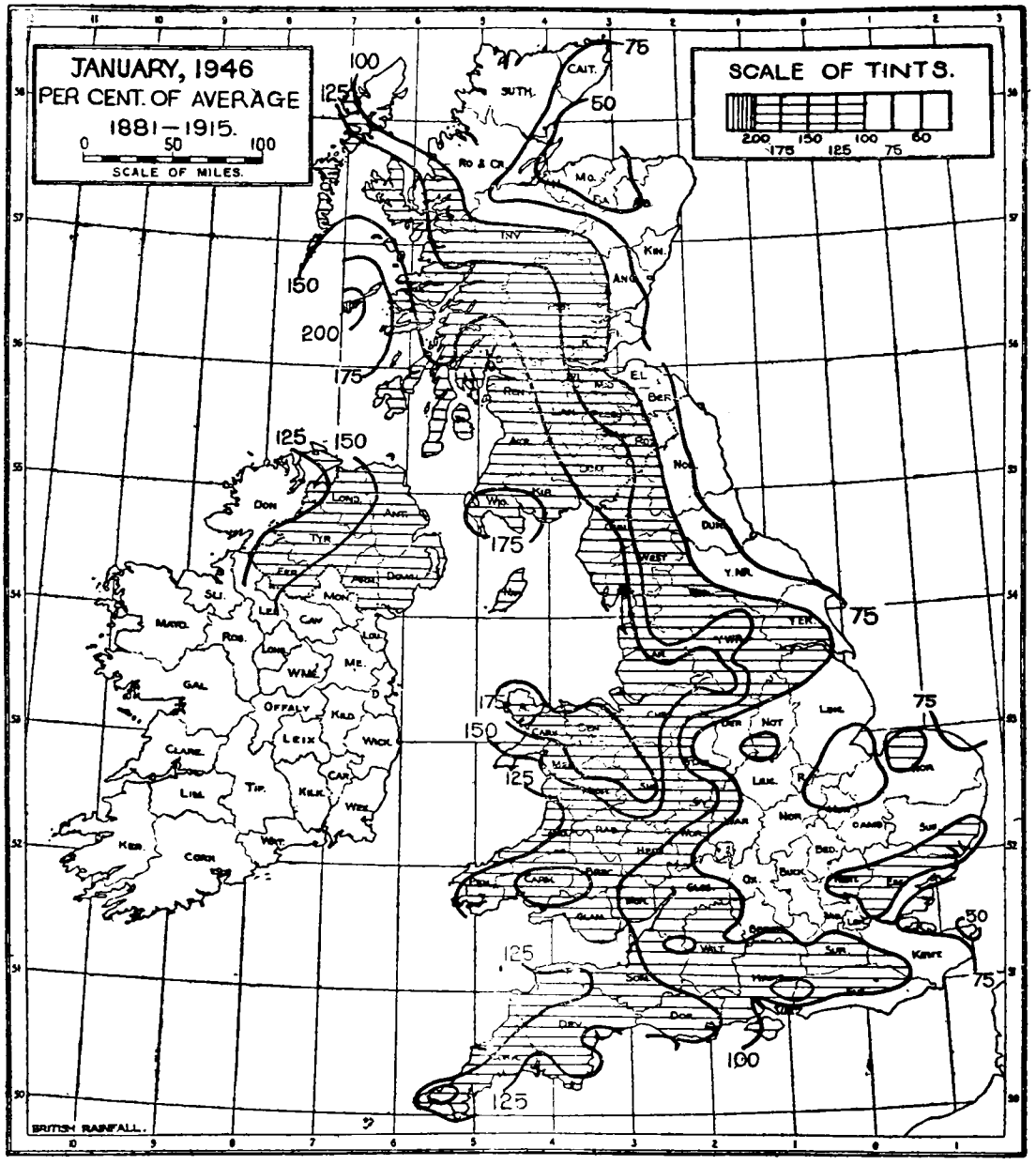
(a) *Monthly Totals:* The largest monthly totals in 1946 occurred in September—31·0 inches at Sprinkling Tarn and 29·0 inches at Styehead Tarn (both at the head of Borrowdale in Cumberland) and 29·0 inches at Snowdon (Grib Goch). No station in Scotland or Northern Ireland reported as much as 20 inches in any month, the largest value for Northern Ireland being 15·20 inches at Lough Shannagh, Co. Down. The total of 25·16 inches recorded at Llyn-y-fan Fach (Waen Sychlwch), Carmarthenshire, in November is worthy of mention as the largest total for South Wales.

A number of stations in eastern Scotland recorded less than ·25 inch in April and in October. Amongst the smallest totals for April were Forfar (Yeaman Street) with ·16 inch; North Berwick (Gas Works) ·17 inch; Blairgowrie and Dunkeld (Snaigow), both in Perthshire, ·20 inch. In October Kincraig (in the Spey Valley between Kingussie and Grantown) gave ·13 inch; Dunkeld (Reichip Lodge) Perthshire ·14 inch; Nairn Golf Course ·16 inch; Banff ·18 inch and Braemar (Derry Lodge) ·20 inch.

(b) *Monthly percentage values:*—Areas with more than twice the average are shown on the maps for as many as nine months of the year, and with three times the average on those for May, July and September. Amongst the largest percentage values were 337 at Newton Abbot and 316 at Torquay in May, 386 at Bury St. Edmunds in July and 380 at Porton in September. In October, on the other hand, there was less than 10 per cent. in Central Scotland, with only 7 per cent. at Balmoral.

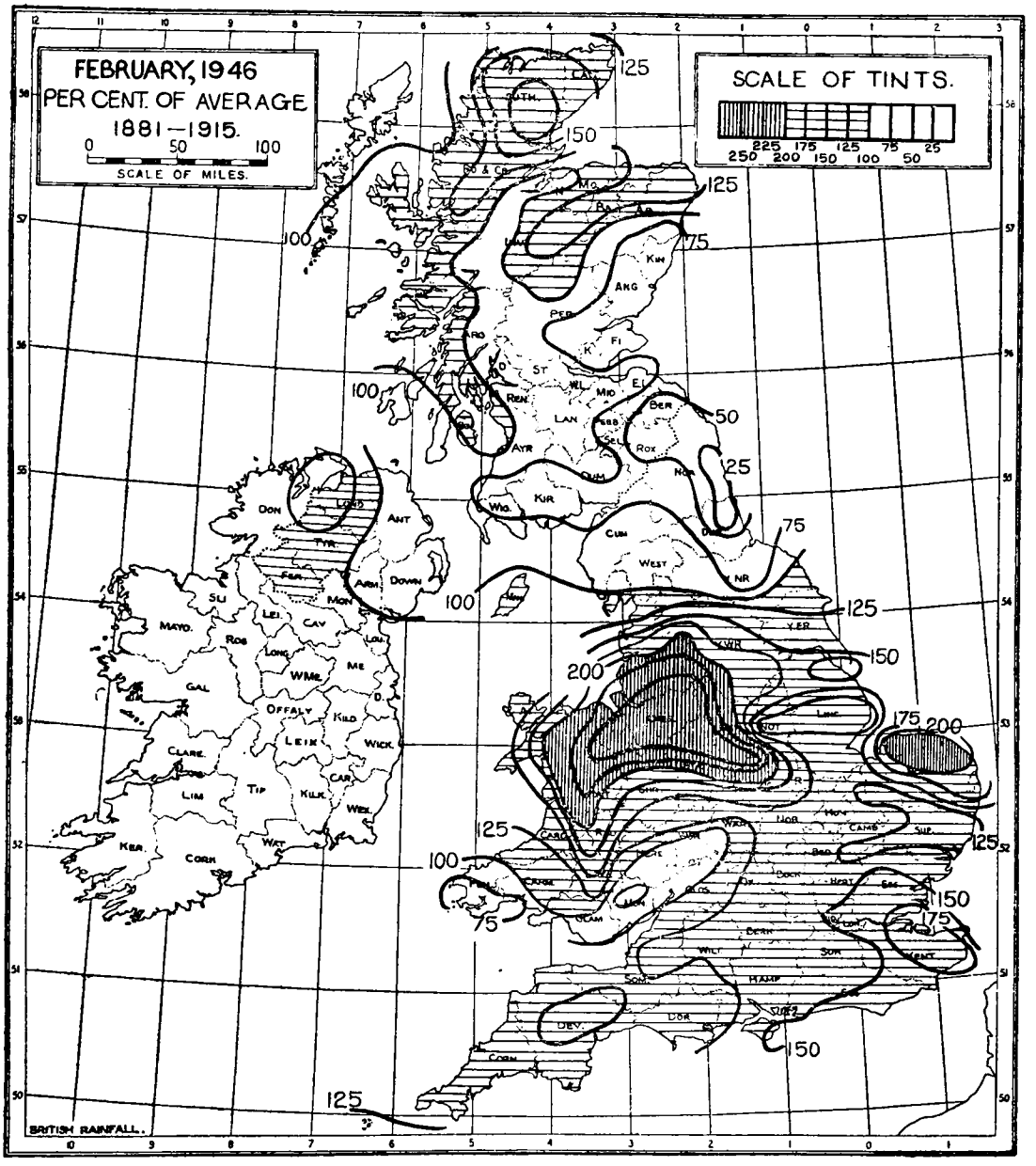
## *The Rainfall and Weather of the Individual Months*

In the following pages maps are given showing the distribution of the rainfall each month expressed as percentages of average together with a short account of the weather. Further details are given in the *Monthly Weather Report* which also includes maps of the distribution of rainfall amounts and of mean pressure and the movements of the centres of the main depressions.




**Rainfall, January 1946, as per cent. of average**

**January.** Mean pressure for the month was generally above average and winds from between south and west were most frequent. Rainfall totals were above average in the west, but below average in the east. At the beginning and about the middle of the month the weather was mainly dry with frosty periods, easterly winds and light local snow. During the remainder of the month mild, wet weather with south-westerly winds prevailed. Locally in the Thames Estuary, around Huntingdon and over parts of Moray and Banffshire the month's rainfall failed to reach an inch. Extensive areas in the west received more than 10 inches, and some stations in the English Lake District and Snowdonia reported more than 20 inches.

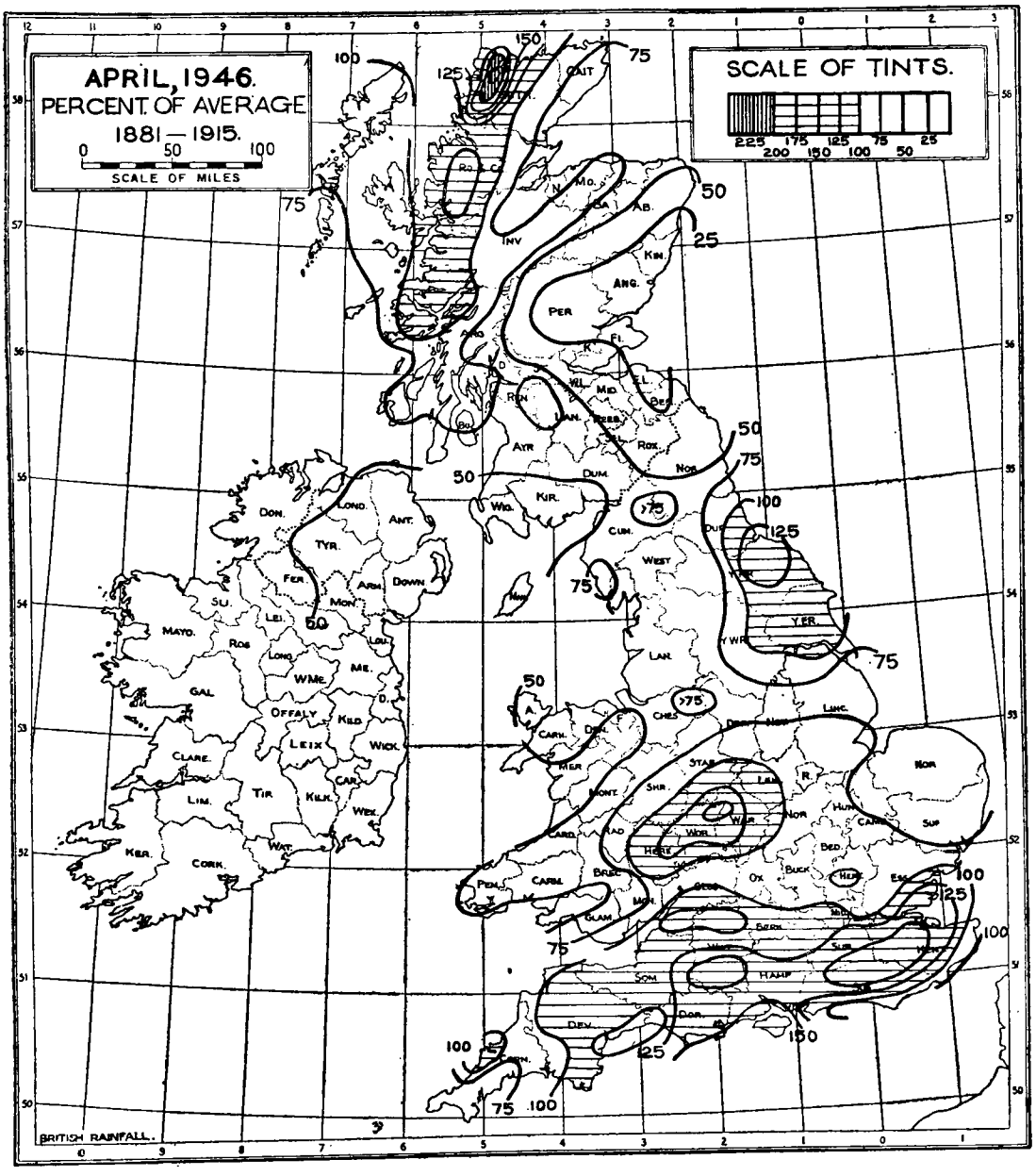



**Rainfall, February 1946, as per cent. of average**

**February.** The deviation from average of mean pressure at 9h. ranged from −2·9 mb. at Lerwick to +5·7 mb. at Scilly. Winds from between south-west and north-west predominated. The 11 days January 28 to February 7 were unusually wet (see Section 7). Mainly unsettled and mild weather prevailed until the 20th, after which cold conditions set in with local sleet, snow and hail showers. The total rainfall for the month was less than average in northern England and over much of Scotland, but exceeded twice the average from parts of north and central Wales to the southern Pennines. At Newcastle-upon-Tyne the total was only ·35 inch falling on 8 rain-days, whereas at Manchester the total was 5·27 inches with 20 rain-days, the amounts on the 7th, 8th and 22nd being 1·17, 1·07 and ·93 inch respectively.

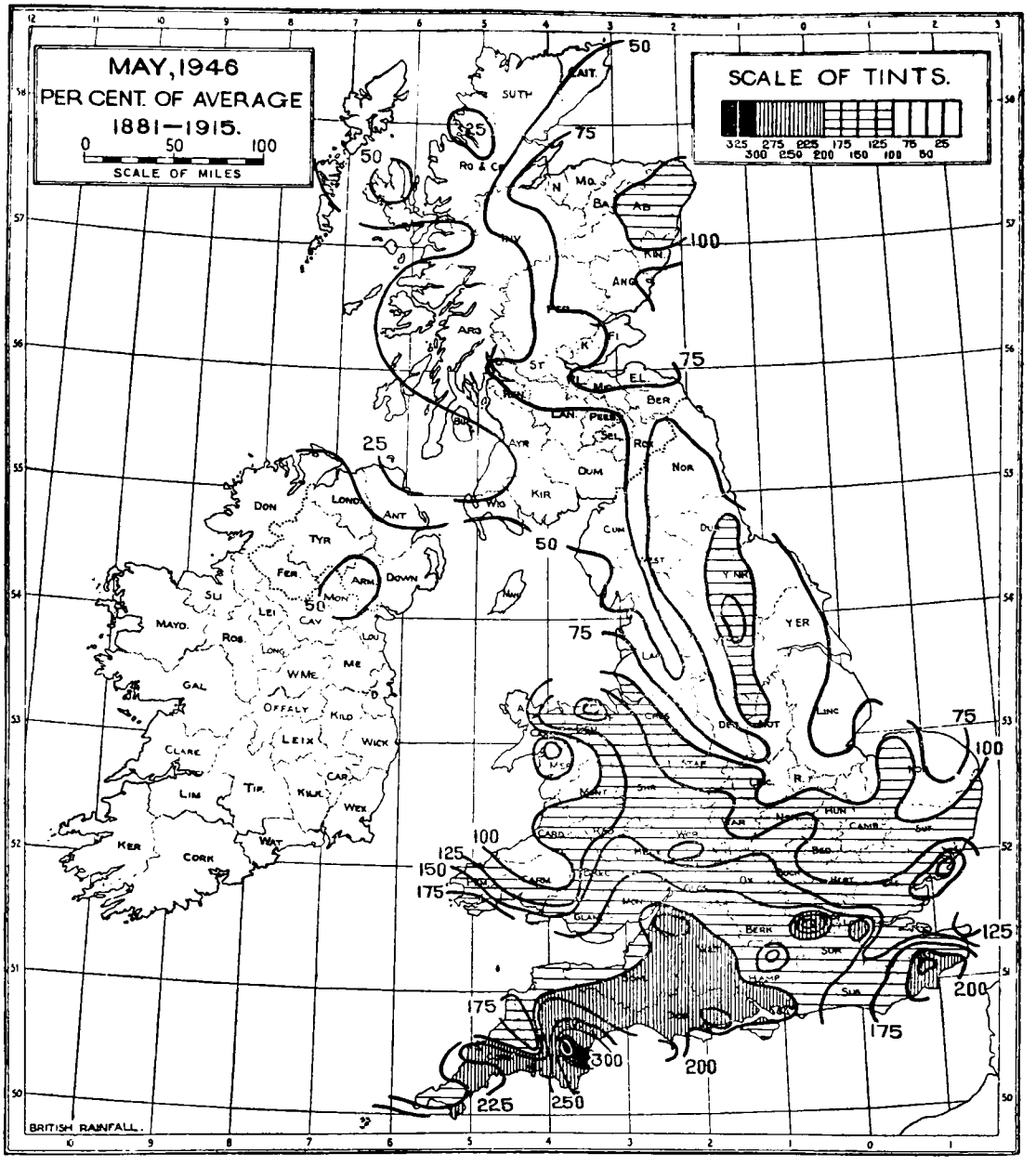
**Rainfall, March 1946, as per cent. of average**

**March.** The deviation of mean pressure at 9h. ranged from +0·8 mb. at Scilly to +8·1 mb. at Lerwick. Pressure was therefore more uniform than usual, the month less windy than normally, and it was generally dry. The first 17 days were cold but the remainder of the month was warm. The total rainfall was less than half the average in many widely separated areas. At many stations the maximum amount recorded on any day failed to reach ·25 inch. Around Dumfries, however, more than an inch fell on the 8th and in this region totals for the month exceeded the average. Over most of England the totals failed to reach 2 inches and in many districts there was less than 1 inch.



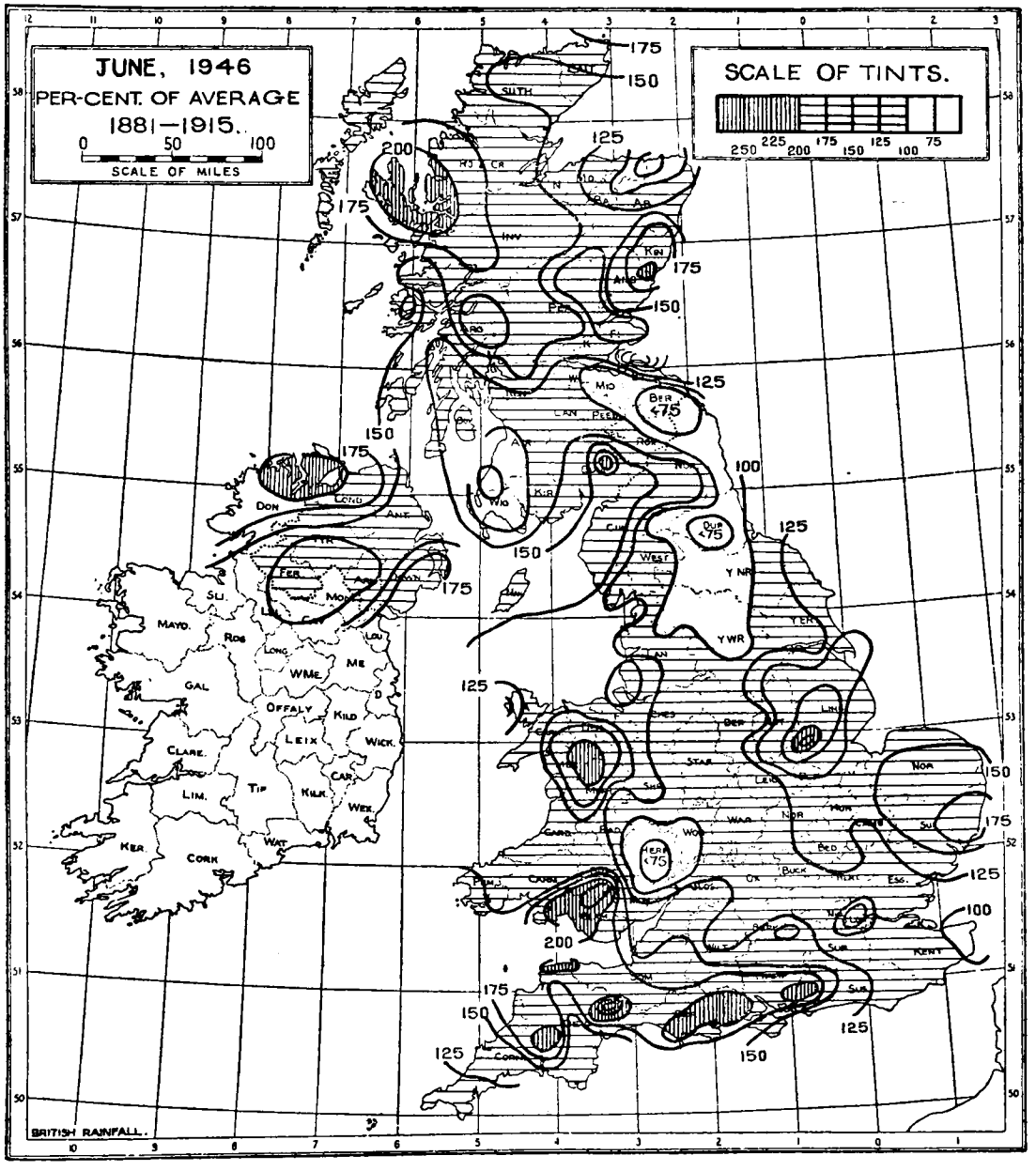

**Rainfall, April 1946, as per cent. of average**

**April.** Mean pressure for the month gave a steep gradient in the north of Scotland, but was fairly uniform over England and Wales. Weather was generally warm—very warm at the beginning—and it was sunny and dry over the country as a whole. Over Scotland total rainfall varied from more than 6 inches over much of the western Highlands (and 10 inches in the north) to less than half-an-inch along the east coast (and ·16 inch at Forfar). At Edenbridge, Kent, where the total reached 3·26 inches, or 174 per cent. of average, the two days 4th and 5th, gave ·87 inch and the seven days, 23rd to 29th, contributed 2·15 inches. Conditions generally were unsettled from the 23rd to 29th, with local thunderstorms in southern districts on the 27th–29th.



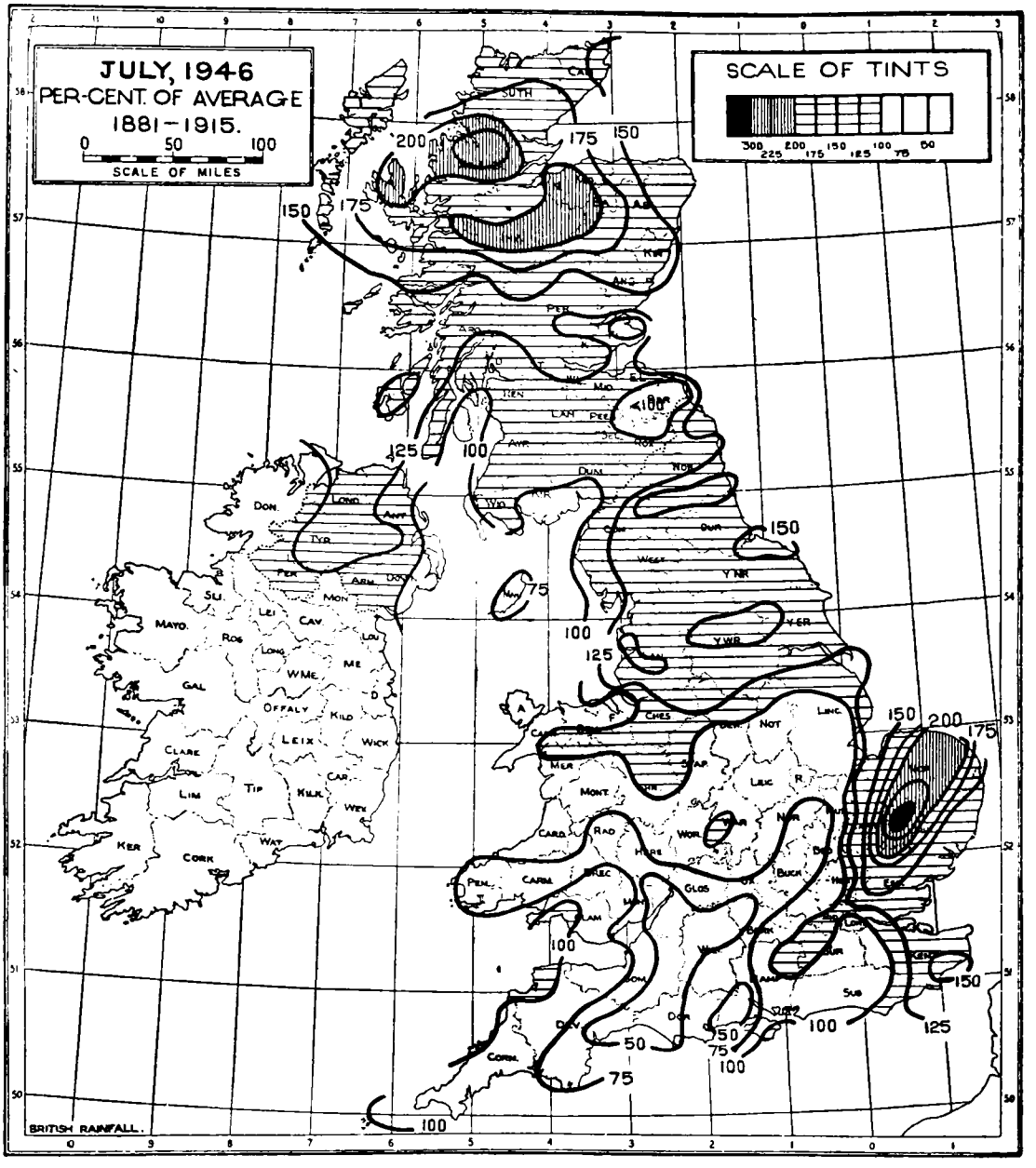

**Rainfall, May 1946, as per cent. of average**

**May.** The mean pressure deviation at 9h. ranged from +6·1 mb. at Lerwick to −4·4 mb. at the Scilly Isles. The normal pressure gradient was therefore reversed and the prevailing winds were north-easterly. There was abundant sunshine in the north-west but over the southern half of England wet and cool weather predominated. Total rainfall was below average in the north. There was no measurable rain at Colmonell, Ayrshire, from April 25 to May 19 (see Section 3), while at Slough, with 270 per cent. of average, some rain fell on 16 days, amounts exceeding half-an-inch on the 7th, 18th and 26th and at Teignmouth, with 286 per cent., rain fell on 16 days, the amounts exceeding half-an-inch on the 7th, 17th, 18th, 19th and 31st (see also Section 7).



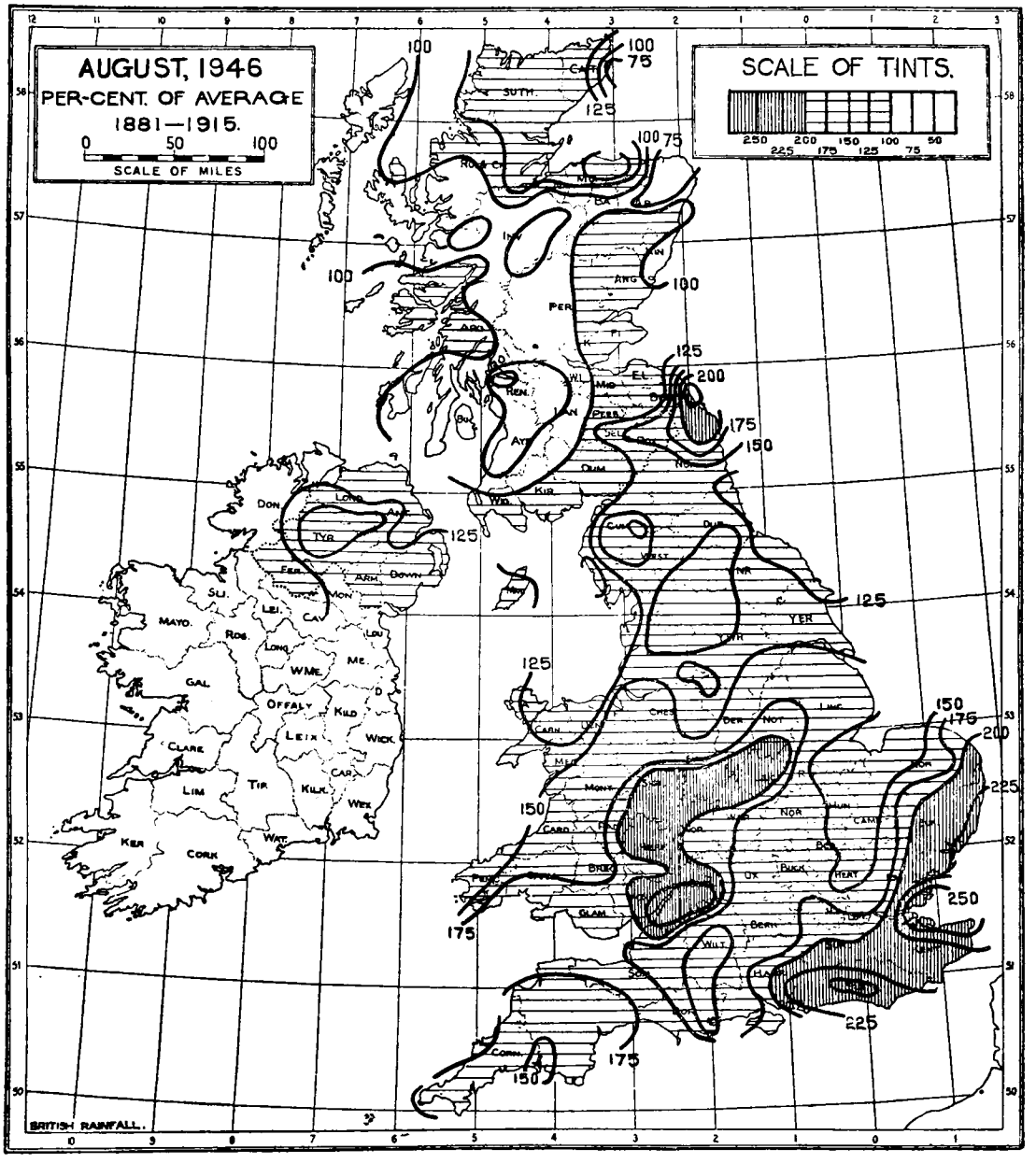

**Rainfall, June 1946, as per cent. of average**

**June.** The unsettled south-west type of weather which set in about May 27 continued during June and predominated during the three following months. The pressure for June was everywhere below average, the deviation at 9h. ranging from −7·2 mb. at Stornoway to −0·6 mb. at Plymouth The pressure gradient was therefore increased and winds from the south and west predominated. The weather was generally dull and wet, with frequent thunderstorms; over most of England the month was cool, especially in the south. The rainfall of the month exceeded 2 inches practically everywhere and exceeded 10 inches in the mountainous districts of the west. The distribution on the percentage map is irregular owing to the orographical rains and frequent thunderstorms (see Section 6).



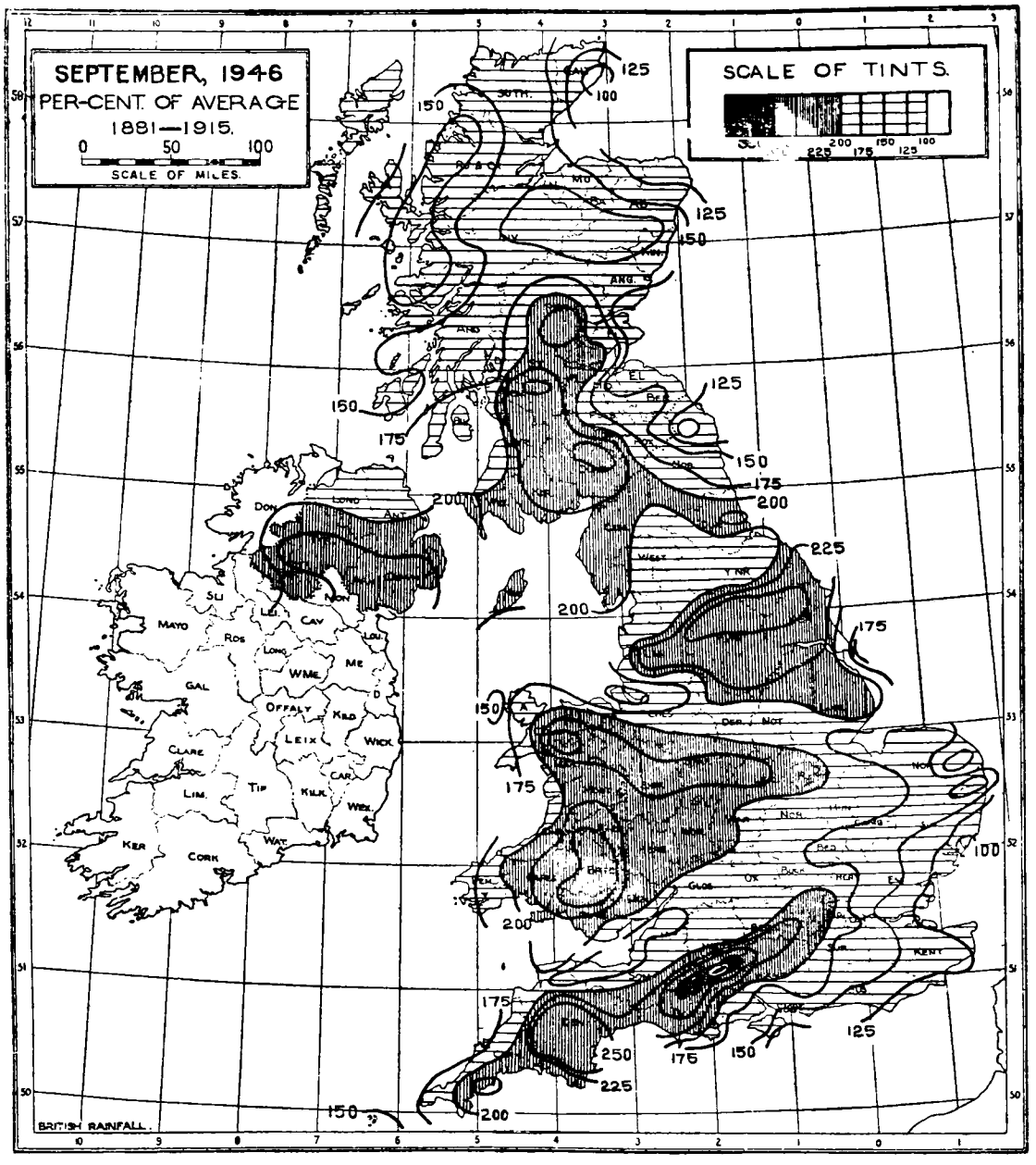

**Rainfall, July 1946, as per cent. of average**

**July.** Mean pressure was somewhat below average in the northern half of the country and slightly above in the southern half. The month was warm on the whole during the first fortnight and then mainly cool, apart from a warm spell in the south-east around the 24th. On the whole temperature was slightly above average in eastern and below average in western districts. Severe thunderstorms were reported from the 2nd to 4th and on the 26th (see Sections 6 and 7). The incidence of rainfall was most unusual at Bury St. Edmunds, where the total for the month amounted to 9·66 inches, and was the largest monthly total recorded there in a record extending back to 1857. The amounts for the 2nd, 3rd and 26th were 2·36, 2·75 and 2·83 inches respectively, a total of 7·94 inches.



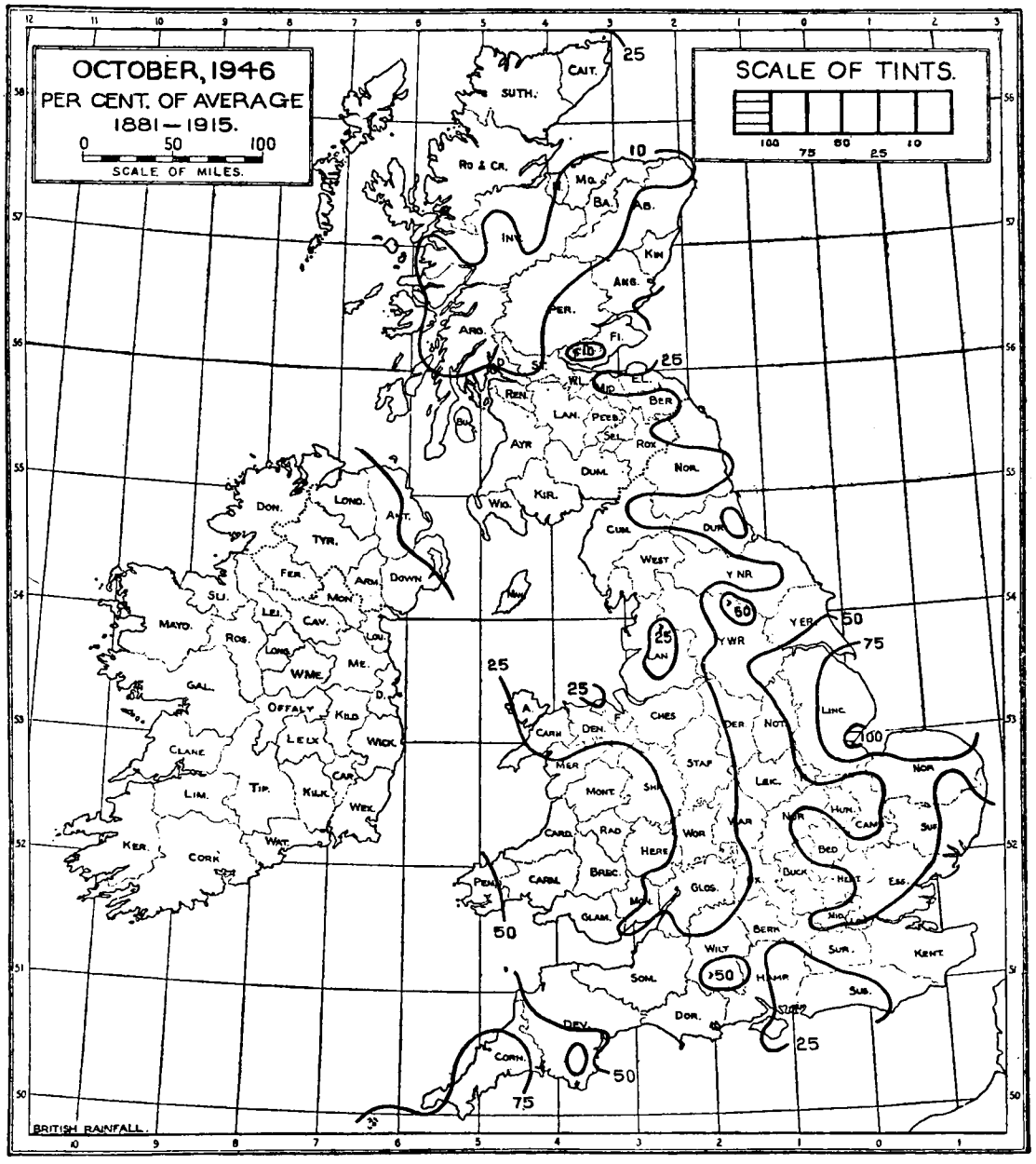

**Rainfall, August 1946, as per cent. of average**

**August.** Mean pressure was everywhere below average and the weather was cool, unsettled, and wet, particularly in England and Wales. Widespread gales occurred on the 28th and local gales between the 10th and 13th. Some details of the heavy rains of the 12th, 16th, 25th, 28th, 29th and 30th are given in Section 7. The frequent heavy rains caused serious flooding and damage to the harvest. The total rainfall exceeded 2 inches everywhere except in the extreme north-east of England and was more than 10 inches in the mountainous districts of England and Wales. The largest percentage value of the month occurred at Shoeburyness, *viz.* 259 per cent. or 4·59 inches. The wettest periods there were the 4 days, 16th–19th, with 2·62 inches and the 7 days, 8th–14th, with 1·64 inches.



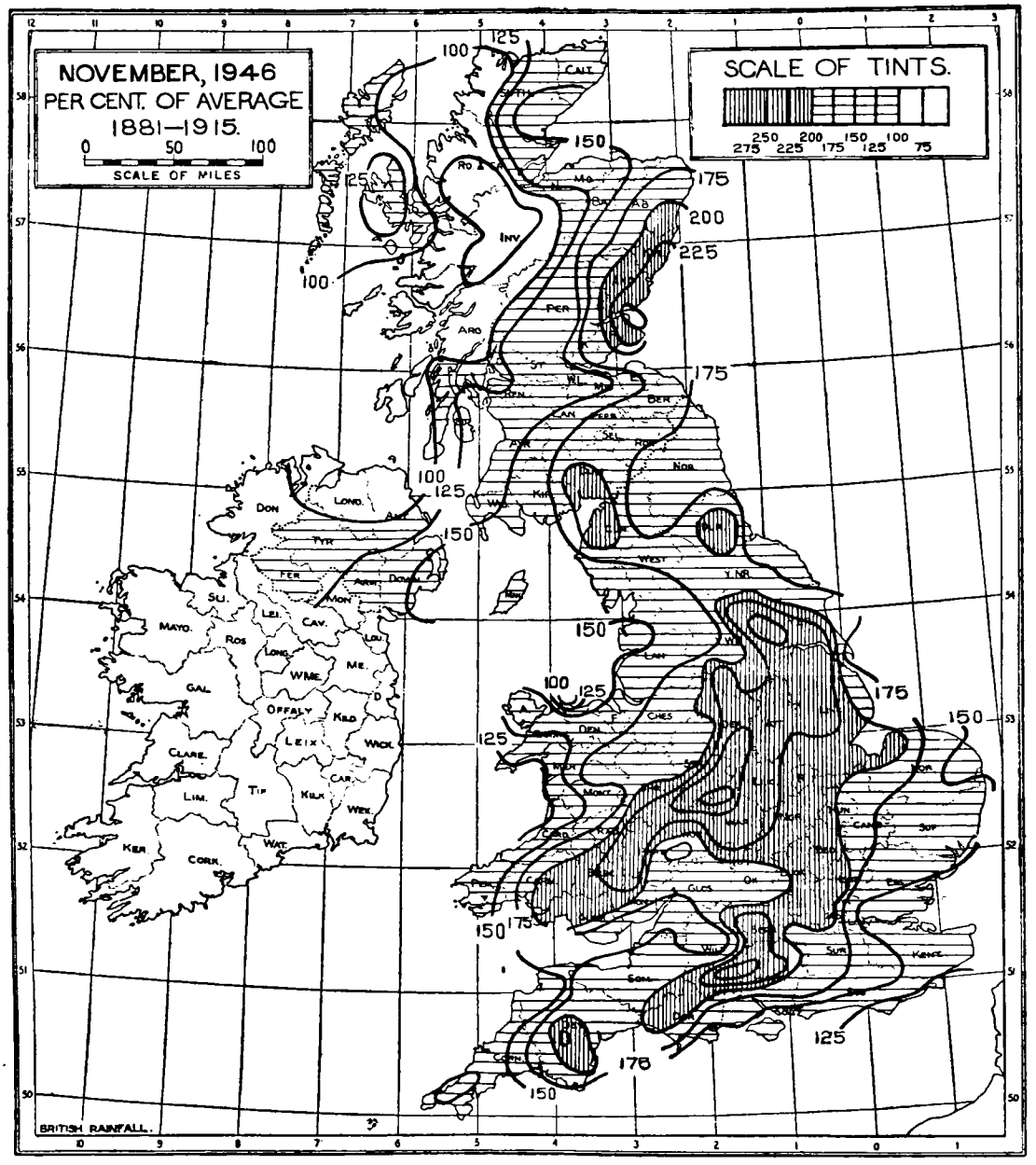

**Rainfall, September 1946, as per cent. of average**

**September.** Mean pressure for the month was everywhere below average, as in August, and the weather continued unsettled, dull and very wet, apart from a warm spell at the end of the month. Rainfall exceeded the average practically everywhere with more than twice the average over large areas. The large percentage value of 380 at Porton, on Salisbury Plain, was due mainly to the heavy rains of the 2nd to 8th when 5·37 inches fell. Serious flooding occurred, especially following the widespread rains of the 19th (see Section 7). Widespread and destructive gales occurred on the 20th. Rainfall totals exceeded 2 inches everywhere, except near the Thames Estuary, and exceeded 10 inches over large areas in the mountainous districts of the west.




**Rainfall, October 1946, as per cent. of average**

**October.** Mean pressure exceeded the average everywhere, the excess increasing from south to north, so that the highest pressure was situated off east Scotland and the lowest off the south-west coasts. The predominating winds were from an easterly quarter and the month was less windy than usual. The weather was generally dry, very dull over most of England and Northern Ireland, but unusually sunny in the west and north of Scotland. Over Scotland it was the driest October on record, and absolute droughts were widespread (see Section 3). Totals for the month exceeding 2 inches were confined mainly to the neighbourhood of the Wash, Wales and the south-west of England, while there was less than half-an-inch over much of north-east Scotland.




**Rainfall, November 1946, as per cent. of average**

**November.** Mean pressure was below average everywhere, the deficiency being smallest in the north of Scotland. There was an unusually warm spell at the beginning of the month, but after the 12th stormy and wet weather prevailed and flooding became more widespread than at any time during the summer. Rainfall totals exceeded twice the average in central districts of England and in South Wales and Devonshire. The flow of the Thames increased from 700 million gallons per day on the 13th to more than 6,000 million gallons on the 26th and 30th. Widespread and heavy rain occurred on the 19th and again on the 23rd in the south-west of England and Wales (see Section 7). At Princetown, on Dartmoor, as much as 16·78 inches was recorded for the 19th to 27th.

**Rainfall, December 1946, as per cent. of average**

**December.** Mean pressure exceeded the average everywhere, the excess being greatest in the north-east. The first twelve days were unsettled with high winds, while dry, very cold weather prevailed from the 15th to 21st. On the 22nd a definite thaw set in and the weather was unsettled until the end of the month. In most districts the duration of bright sunshine exceeded the average. Snow or sleet showers occurred fairly frequently, especially in the first fortnight. In the second week traffic was interrupted on the Perth-Braemar and Strathdon-Tomintoul roads owing to ice and snow. The total rainfall exceeded 3 inches over most of the country, exceeded 10 inches in the mountainous districts of the west and reached 24 inches on Snowdon.

## Table 8c Monthly Rainfall at 335 Stations in Great Britain and Northern Ireland in 1946

### ENGLAND, WALES AND THE ISLANDS

| County and River Division | Station | Jan. | Feb. | Mar. | Apl. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| London .....2 | St. Pancras (Camden Square) ..... | 1·55 | 2·80 | 1·24 | 1·51 | 2·99 | 3·26 | 2·20 | 3·83 | 3·16 | 1·53 | 3·49 | 1·95 | 29·51 |
| Surrey .....6 | Godalming (Charterhouse) ..... | 2·44 | 2·43 | 1·14 | 2·59 | 3·53 | 2·64 | 2·17 | 4·28 | 4·06 | 1·20 | 5·13 | 3·17 | 34·78 |
| ,, .....6 | Byfleet (Wisley R.H.S. Gardens) ... | 1·84 | 2·39 | 1 35 | 1·62 | 2·96 | 2·18 | 1·77 | 3·90 | 3·14 | 1·13 | 4·24 | 2·65 | 29·17 |
| Kent .....1 | Folkestone (Cherry Gardens) ..... | 1·98 | 3·71 | 2·58 | 1·57 | 3·68 | 2·67 | 3·34 | 4·92 | 2·99 | 1·23 | 4·49 | 3·07 | 36·23 |
| ,, .....2 | Lympne Airfield ..... | 1·41 | 2·89 | 2·02 | 1·41 | 3·98 | 2·07 | 3·25 | 3·80 | 2·91 | 1·44 | 3·92 | 2·72 | 31·82 |
| ,, ..... 2 | Canterbury (Sewage Works) ..... | 1·71 | 2·63 | 2·08 | 1·75 | 2·40 | 2·81 | 2·12 | 4·08 | 2·33 | 1·93 | 4·27 | 2·78 | 30·89 |
| ,, ..... ...4 | Edenbridge (Falconhurst) ..... | 2·56 | 3·16 | 1·53 | 3·26 | 2·48 | 2·20 | 1·99 | 5·70 | 3·53 | 1·76 | 5·99 | 3·22 | 37·38 |
| ,, .....4 | Strood Waterworks ..... | 1·35 | 2·15 | 1·43 | 2·02 | 3·12 | 1·71 | 2·18 | 4·12 | 2·56 | 1·98 | 4·29 | 2·13 | 29·04 |
| ,, ..... ....5 | Bromley ..... | 1·74 | 2·53 | 1·32 | 2·05 | 3·86 | 1·89 | 1·93 | 4·83 | 2·64 | 1·03 | 3·36 | 2·94 | 30·12 |
| Sussex .....1 | Bognor Regis (Waterloo Square) .. | 2·31 | 3·07 | 1·26 | 2·06 | 3·36 | 3·46 | 1·38 | 4·77 | 3·04 | ·96 | 4·04 | 3·58 | 33·29 |
| ,, . .....1 | Compton (Compton House) ..... | 4·08 | 3·90 | 1·44 | 2·71 | 4·05 | 5·13 | 2·42 | 7·30 | 5·08 | 1·11 | 7·02 | 4·61 | 48·85 |
| ,, . .....2 | Horsham (Wimblehurst) ..... | 2·45 | 2·82 | 1·15 | 2·33 | 2·99 | 3·56 | 2·49 | 5·72 | 4·18 | ·98 | 5·84 | 3·72 | 38·23 |
| ,, .. .....3 | Worthing (Beach House Park) .... | 2·13 | 2·99 | ·97 | 1·54 | 2·79 | 2·28 | 1·96 | 5·18 | 3·14 | ·56 | 4·22 | 3·20 | 30·96 |
| ,, .....5 | Hailsham (Magham Down) ..... | 2·78 | 2·88 | 1·51 | 1·32 | 3·44 | 2·17 | 2·01 | 5·74 | 2·92 | ·70 | 5·12 | 3·41 | 34·00 |
| Hampshire .....1 | Ventnor (Royal National Hos.) .... | 2·39 | 3·28 | 1·53 | 2·71 | 3·20 | 2·70 | 2·41 | 3·67 | 2·71 | ·83 | 4·42 | 3·84 | 33·69 |
| ,, ..... 1 | Totland Bay (Aston House) ..... | 2·69 | 2·71 | 1·36 | 2·63 | 3·37 | 2·94 | 1·21 | 3·86 | 2·97 | 1·13 | 4·30 | 3·15 | 32·32 |
| ,, ..... 3 | Fordingbridge (Oaklands) ..... | 3·04 | 2·69 | 1·00 | 2·65 | 4·30 | 3·88 | ·96 | 3·97 | 4·23 | 1·69 | 5·17 | 3·48 | 37·06 |
| ,, .....4 | Sway (Gordleton) ..... | 3·24 | 3 59 | 1·32 | 2·75 | 3·62 | 4·85 | 1·19 | 4·10 | 3·71 | 1·73 | 4·89 | 3·66 | 38·65 |
| ,, ..... 4 | Stockbridge (Leckford Estate) ... . | 2·84 | 2·08 | 1·01 | 2·96 | 3·40 | 3·39 | 1·50 | 4·06 | 6·58 | 1·48 | 6·43 | 2·82 | 38·55 |
| ,, .....5 | Portsmouth (Victoria Park)..... | 2·06 | 2·96 | 1·08 | 2·41 | 3·64 | 2·67 | 1·59 | 4·54 | 3·08 | ·79 | 4·33 | 2·49 | 31·64 |
| ,, .....7 | Selbourne (The Wakes) ..... | 4·27 | 3·28 | 1·36 | 2·66 | 4·15 | 3·61 | 2·28 | 6·08 | 6·33 | 1·42 | 7·65 | 4·28 | 47·37 |
| ,, .....8 | Sherborne St. John ..... | 2·47 | 3·18 | 1·21 | 1·98 | 2·86 | 2·90 | 2·43 | 4·01 | 4·73 | ·85 | 6·28 | 2·81 | 35·71 |
| Berkshire .....4 | Newbury (Greenham Common) ... | 2·89 | 2·36 | 1·33 | 1·95 | 3·24 | 2·57 | ·81 | 4·51 | 5·11 | 1·48 | 6·95 | 3·10 | 36·30 |
| ,, .....5 | Didcot (Sewage Works) ..... | 1·24 | 1·83 | ·81 | 1·52 | 3·83 | 1·70 | 1·14 | 3·66 | 3·79 | ·91 | 4·55 | 1·66 | 26·64 |
| Hertfordshire ....2 | Harpenden (Rothamsted) ..... | 2·43 | 2·53 | 1·18 | ·98 | 2·32 | 2·49 | 2·03 | 3·74 | 3·75 | 1·47 | 5·47 | 2·03 | 30·42 |
| ,, ....3 | Royston (Therfield Rectory) ..... | 1·56 | 1·80 | 1·29 | 1·50 | 2·29 | 2·99 | 3·27 | 3·39 | 2·96 | 1·66 | 4·50 | 2·04 | 29·25 |
| Buckinghamshire..2 | Little Kimble ..... | 1·16 | 1·51 | 1·10 | 1·06 | 3·53 | 2·83 | 1·52 | 3·44 | 4·02 | 1·36 | 4·81 | 2·06 | 28·40 |
| ,, ..3 | Slough (Upton) ..... ..... .. | 1·57 | 2·46 | 1·08 | 1·76 | 4·54 | 2 56 | 2·22 | 3·99 | 3·66 | 1·59 | 4·58 | 2·33 | 32·34 |
| ,, ..3 | Penn (Rayners) ..... ..... | 2·65 | 2·89 | 1·02 | 1·62 | 4·61 | 2·72 | 1·57 | 4·84 | 4·67 | 1·43 | 6·75 | 2·57 | 37·34 |
| ,, ..5 | Oving House ..... ..... | 1·36 | 2·01 | 1·20 | 1·07 | 2·22 | 2·30 | 1 73 | 3 79 | 4·11 | 1·22 | 5·66 | 2·14 | 28·81 |
| ,, ..5 | Wolverton (Gables Lodge) ..... | 1·49 | 2·25 | 1·11 | ·97 | 1·92 | 2·63 | 1·79 | 4·12 | 3·80 | 1·30 | 5·57 | 2·04 | 28·99 |
| Oxfordshire .....3 | Oxford (Radcliffe Met. Stn.) ..... | 1·38 | 2·21 | ·96 | 1·35 | 3·09 | 2·29 | 1·27 | 3·63 | 3·36 | ·79 | 4·51 | 2·12 | 26·96 |

## Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apl. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Oxfordshire .....3 | West Adderbury (St. Amands) .... | 1·73 | 1·74 | ·83 | 1·35 | 3·07 | 2·42 | 1·27 | 5·03 | 3·57 | 1·49 | 5·23 | 2·41 | 30·14 |
| Northamptonshire 4 | Daventry (Tunnel End) .... ..... | 1·64 | 1·45 | 1·02 | 2·10 | 1·76 | 2·29 | 2·09 | 3·89 | 3·30 | ·99 | 5·21 | 2·04 | 27·78 |
| ,, 4 | Wellingborough (Swanspool) ..... | 1·40 | 2·18 | 1·26 | 1·35 | 2·62 | 2·66 | 1·41 | 3·60 | 3·24 | 1·36 | 4·39 | 2·21 | 27·68 |
| Huntingdonshire 1 | St. Ives ..... ..... | 1·06 | 1·39 | 1·19 | 1·02 | 2·03 | 3·71 | 1·56 | 4·47 | 3·49 | 1·22 | 3 79 | 2·09 | 27·02 |
| ,, .1 | Whittlesea Mere ..... | ·99 | 1·45 | 1·32 | 1·09 | 1·95 | 3·79 | 2·01 | 3·23 | 2·52 | 1·29 | 4·09 | 2·04 | 25·77 |
| Bedfordshire .....3 | Sandy (Mogerhanger Park) ..... | 1·03 | 2·03 | 1·53 | 1·57 | 2·06 | 2·36 | 1·25 | 2·98 | 3·08 | 1·94 | 4·24 | 1·74 | 25·81 |
| Cambridgeshire ..2 | Cambridge (Botanic Gardens) ..... | 1·18 | 1·63 | 1·24 | 1·15 | 1·91 | 2·10 | 2·31 | 3·05 | 2·25 | 1·09 | 3·76 | 1·66 | 23·33 |
| ,, ..2 | Littleport (Highfield House) ..... | ·82 | 1·18 | ·99 | ·75 | 1·56 | 2·49 | 1·86 | 2·99 | 2·45 | ·99 | 3·47 | 1·81 | 21·36 |
| Cambridgeshire ..2 | March ..... | ·94 | 1·56 | ·92 | ·82 | 1·58 | 2·87 | 3·22 | 2·67 | 3·53 | 1·25 | 3·82 | 2·14 | 25·32 |
| Essex .....1 | Hatfield Broad Oak (Barrington) .. | 1·82 | 2·57 | 1·53 | 1·11 | 2·06 | 2·17 | 3·73 | 3·54 | 2·97 | 1·60 | 3·53 | 1·94 | 28·57 |
| ,, .....2 | North Weald (Canes) ... ..... | 1·95 | 2·62 | 1·41 | 1·75 | 2·61 | 2·99 | 3·22 | 3·74 | 2·73 | 1·45 | 3·91 | 2·19 | 30·57 |
| ,, .....3 | Shoeburyness ..... | ·89 | 2·17 | 1·17 | 1·69 | 1·91 | 1·82 | 2·52 | 4·59 | 1·90 | 1·07 | 2·96 | 2·05 | 24·74 |
| ,, .....3 | Bradwell-on-Sea (Bellropes) ..... | ·96 | 1·46 | 1·21 | 1·48 | 1·72 | 3·00 | 3·27 | 3·79 | 1·63 | ·74 | 2·99 | 2·16 | 24 41 |
| ,, .....4 | Maldon ..... | 1·12 | 1·77 | 1·29 | 1·18 | 1·32 | 2·03 | 2·45 | 3·87 | 1·30 | ·83 | 2·57 | 2·02 | 21·75 |
| ,, .....5 | Earls Colne (Grammar School) .... | 1·47 | 1·89 | 1·21 | 1·40 | 1·73 | 2·61 | 4·03 | 4·33 | 2·38 | 1·19 | 2·64 | 2·67 | 27·55 |
| Suffolk .. .....2 | Ipswich (Belsted Hall) . ..... | 1·78 | 1·41 | 1·28 | 1·05 | 1·59 | 3·86 | 3·61 | 3·74 | 1·83 | 1·32 | 3·16 | 2·81 | 27·44 |
| Suffolk .....3 | Campsea Ashe (High House) ..... | 1·96 | 1·51 | 1·62 | ·98 | 1·64 | 3·78 | 2·70 | 4·39 | 2·12 | 1·07 | 3·46 | 2·81 | 28·04 |
| ,, . . .. ...4 | Lowestoft (Secondary School) .. .. | 1·49 | 2·52 | 1·29 | ·81 | 1·76 | 2·90 | 3·00 | 4·94 | 3·72 | 1·88 | 3·66 | 3·05 | 31·02 |
| ,, .....5 | Bury St. Edmunds (Westley Hall) .. | 1·39 | 1·89 | 1·63 | 1·00 | 1·80 | 3·44 | 9·66 | 5·07 | 3·43 | 1·85 | 3·77 | 2·47 | 37·40 |
| Norfolk... .....1 | Wymondham ... ..... | 1·58 | 2·69 | 1·05 | ·61 | 1·03 | 3·67 | 6·14 | 4·04 | 2·82 | 1·09 | 3·87 | 2·67 | 31·26 |
| ,, .....1 | Norwich (Southwell Lodge) ..... | 1·63 | 3·73 | ·90 | ·56 | 1·16 | 2·95 | 5·48 | 3·97 | 2·53 | 1·01 | 3·47 | 2·83 | 30·22 |
| ,, .....1 | Causton (New Street) ..... | 1·89 | 4·72 | ·98 | ·63 | 1·52 | 2·98 | 5·69 | 3·61 | 3·32 | 1·72 | 4·07 | 2·86 | 33·99 |
| ,, .....3 | Sandringham House Gardens ..... | 2·16 | 3·39 | ·92 | 1·13 | 1·97 | 3·23 | 3·81 | 3·50 | 3·18 | 2·63 | 5·02 | 2·78 | 33·72 |
| ,, .....3 | Cromer (Howard's Hill) ... ..... | 1·39 | 3·12 | ·70 | ·96 | 1·15 | 2·13 | 4·54 | 4·50 | 2·78 | 2·24 | 3·64 | 2·73 | 29·88 |
| Norfolk.... .....3 | Hunstanton ..... | 1·55 | 2·11 | ·79 | ·60 | 1·21 | 2·35 | 4·45 | 3·58 | 3·20 | 3·10 | 3·78 | 1·77 | 28·49 |
| ,, .....4 | Thetford Waterworks . ..... | 1·45 | 1·61 | 1·20 | ·93 | 1·41 | 2·92 | 6·39 | 3·58 | 2·65 | ·91 | 3·27 | 2·21 | 28·53 |
| Wiltshire .... ...3 | Fonthill House Gardens ..... . | 4·17 | 3·77 | 1·13 | 3·17 | 4·93 | 3·81 | 1·44 | 5·78 | 7·75 | 1·31 | 7·71 | 4·53 | 49·50 |
| ,, .... ...3 | Larkhill (School of Artillery) ..... | 2·72 | 2·25 | ·78 | 2·55 | 3·62 | 2·34 | 1·36 | 3·21 | 4·90 | 1·76 | 6·60 | 2·93 | 35·02 |
| ,, ... ....5 | Bishops Cannings .... . ..... | 2·31 | 2·92 | ·97 | 2·25 | 4·17 | 2·64 | ·92 | 4·57 | 4·31 | 1·40 | 4·63 | 2·46 | 33·55 |
| Dorsetshire.....3 | Creech Grange ... .. ..... | 4·82 | 3·21 | 1·47 | 2·93 | 3·66 | 4·17 | 1·50 | 4·14 | 4·99 | 1·78 | 5·95 | 4·35 | 42·97 |
| ,, .....3 | Beaminster (East Street) .. ..... | 4·42 | 3·26 | 1·56 | 1·92 | 4·28 | 4·20 | 1·04 | 5·64 | 6·18 | 1·35 | 8·30 | 5·75 | 47·90 |
| ,, .. . .4 | Blandford (Bryanston) ..... | 4·26 | 2·23 | 1·42 | 3·25 | 3·58 | 3·89 | 1·22 | 4·88 | 6·15 | 1·53 | 8·20 | 5·37 | 45·98 |

## Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apl. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Sth. Devonshire...2 | Plymouth (Hoe) ... ..... | 3·71 | 3·33 | 2·90 | 2·23 | 4·92 | 3·18 | 1·81 | 4·11 | 5·26 | 2·69 | 7·06 | 5·26 | 46·46 |
| ,, ...2 | Mary-Tavy (Blackdown) ..... | 7·90 | 4·85 | 2·89 | 2·31 | 5·12 | 5·92 | 3·37 | 7·40 | 9·73 | 3·06 | 12·74 | 7·88 | 73·17 |
| ,, ...4 | Ashburton (West Street) ..... | 8·69 | 5·53 | 3·20 | 2·52 | 6·76 | 3·54 | 1·59 | 6·25 | 7·77 | 3·33 | 13·44 | 7·22 | 69·84 |
| ,, ...4 | Princetown (H.M. Prison) ..... | 11·82 | 7·34 | 5·08 | 3·43 | 6·13 | 8·73 | 4·50 | 8·56 | 15·26 | 4·56 | 20·16 | 11·30 | 106·87 |
| ,, ..5 | Teignmouth (Den Gardens) ..... | 3·34 | 2·68 | 1·47 | 1·81 | 5·24 | 2·37 | 1·41 | 3·64 | 4·67 | 2·28 | 6·30 | 4·36 | 39·57 |
| ,, ...6 | Crediton (Okefield) ..... | 2·91 | 3·21 | 1·67 | 2·29 | 4·97 | 2·24 | 1·31 | 3·91 | 4·33 | 3·27 | 4·98 | 4·52 | 39·61 |
| ,, ...6 | Cullompton ..... | 4·13 | 3·54 | 1·64 | 2·34 | 4·64 | 5·71 | 1·55 | 4·66 | 4·81 | 1·59 | 6·39 | 4·43 | 45·43 |
| ,, ...7 | Sidmouth (U.D.C.) ..... | 2·95 | 2·55 | 1·39 | 1·88 | 5·55 | 2·48 | 1·00 | 3·64 | 4·97 | 1·52 | 4·82 | 3·78 | 36·53 |
| Nth. Devonshire ..2 | Barnstaple (N. Devon Athenaeum) | 3·31 | 2·95 | ·71 | 2·18 | 3·66 | 3·92 | 2·99 | 5·27 | 4·40 | 1·48 | 5·07 | 4·28 | 40·22 |
| ,, ..3 | Okehampton (Uplands) ..... | 6·62 | 6·37 | (3·04) | (3·72) | (6·67) | (4·08) | (2·48) | (6·39) | 8·50 | 2·83 | 11·21 | 6·87 | (68·78) |
| ,, ..3 | Torrington (Hillside) ..... | 5·25 | 4·52 | 1·04 | 2·30 | 3·91 | 4·32 | 2·39 | 5·77 | 4·91 | 1·73 | 5·75 | 5·48 | 47·37 |
| Cornwall .....1 | Newquay (Mount Wise) ..... | 3·57 | 3·06 | 2·22 | 2·09 | 3·90 | 2·57 | 2·36 | 5·38 | 4·38 | 3·44 | 4·18 | 4·85 | 42·00 |
| ,, .....1 | Bodmin (Castle Hill House) ..... | 6·27 | 4·88 | 3·33 | 2·00 | 5·41 | 3·45 | 2·92 | 6·56 | 6·93 | 4·67 | 8·10 | 6·49 | 61·01 |
| ,, .....1 | Bude (School House) ..... | 3·34 | 2·79 | 1·01 | 1·74 | 2·89 | 3·60 | 2·38 | 4·33 | 4·66 | 2·06 | 4·59 | 3·66 | 37·05 |
| ,, .....2 | Penzance (Morrab Gardens) ..... | 6·28 | 3·90 | 2·36 | 1·35 | 4·03 | 2·70 | 2·45 | 4·84 | 5·56 | 3·30 | 6·85 | 6·06 | 49·68 |
| ,, .....2 | Falmouth (Observatory) ..... | 5·59 | 4·38 | 2·58 | 1·57 | 4·41 | 2·85 | 2·15 | 4·60 | 7·14 | 3·82 | 6·12 | 5·98 | 51·19 |
| Cornwall .. ....2 | St. Austell (Trevarna)... ... ..... | 5·79 | 4·42 | 3·20 | 1·77 | 5·20 | 3·51 | 2·76 | 6·24 | 6·89 | 4·09 | 6·89 | 6·57 | 57·33 |
| ,, .....4 | Tresco Abbey ..... | 3·84 | 3·48 | 2·07 | 1·12 | 4·20 | 2·07 | 2·73 | 4·41 | 3·48 | 2·95 | 4·63 | 5·33 | 40·31 |
| Somerset .....1 | Chewton Mendip (The Priory) .... | 4·15 | 4·83 | 1·40 | 3·02 | 5·85 | 4·75 | 1·97 | 4·82 | 6·14 | 1·48 | 7·52 | 4·37 | 50·30 |
| ,, .....1 | Bath (Henrietta Park) ..... | 2·27 | 3·22 | ·68 | 2·50 | 3·98 | 3·53 | 1·06 | 4·86 | 3·92 | ·89 | 4·63 | 2·58 | 34·12 |
| ,, .....2 | Street (Millfield) ..... ..... | 1·90 | 1·92 | ·76 | 2·36 | 5·08 | 2·81 | 1·21 | 4·21 | 3·42 | ·95 | 4·12 | 3·32 | 32·06 |
| ,, .....2 | Burnham (Dunstan House) ..... | 1·67 | 1·92 | ·78 | 2·38 | 4·95 | 2·84 | 2·32 | 4·66 | 3·80 | 1·01 | 5·02 | 3·18 | 34·53 |
| ,, .....5 | Churchstanton (Stapley) ..... | 4·90 | 4·06 | 1·67 | 3·54 | 5·77 | 2·77 | 1·14 | 5·21 | 5·32 | 1·96 | 7·69 | 5·31 | 49·34 |
| ,, .....5 | Brushford Rectory ..... | 4·06 | 5·29 | 1·51 | 3·28 | 4·36 | 3·63 | 2·64 | 5·75 | 6·49 | 1·61 | 8·23 | 6·09 | 52·94 |
| Gloucestershire ...3 | Cheltenham (Montpellier Gardens) | 2·12 | 1·59 | ·66 | 1·66 | 2·98 | 2·03 | 1·22 | 5·42 | 3·69 | ·35 | 4·62 | 2·16 | 28·50 |
| ,, ...4 | Blockley ..... ..... | 2·44 | 2·14 | ·94 | 1·82 | 3·32 | 3·40 | 1·70 | 5·76 | 3·85 | 1·05 | 6·32 | 2·57 | 35·31 |
| ,, ...7 | Lechlade (Claydon House) ..... | 1·92 | 2·22 | ·99 | 1·55 | 2·82 | 2·66 | ·95 | 5·58 | 3·32 | 1·08 | 4·80 | 1·73 | 29·62 |
| ,, ...7 | Cirencester (Somerford Road) .... | 2·88 | 2·63 | 1·14 | 2·11 | 3·85 | 3·36 | 1·34 | 6·90 | 3·91 | ·46 | 5·73 | 2·27 | 36·58 |
| Herefordshire ....1 | Ross-on-Wye ..... | 2·77 | 1·74 | 1·03 | 2·30 | 3·72 | 1·51 | ·89 | 4·59 | 4·20 | ·77 | 4·86 | 2·56 | 30·94 |
| ,, ....1 | Vowchurch (Ladywell House)..... | 3·78 | 2·68 | 1·11 | 2·27 | 3·91 | 1·92 | 1·83 | 6·94 | 4·62 | 1·49 | 8·17 | 2·63 | 41·35 |
| ,, ....1 | Hereford (Belmont Abbey) ..... | 2·34 | 1·76 | ·87 | 2·27 | 3·83 | 1·33 | 1·72 | 5·34 | 3·85 | ·99 | 3·95 | 1·95 | 30·20 |
| ,, ....1 | Presteigne (Middlemoor) ..... ... | 3·53 | 4·41 | ·84 | 1·92 | 3·25 | 2·32 | 2·08 | 6·42 | 4·46 | 1·38 | 7·34 | 3·26 | 41·21 |

## Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apl. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Shropshire .....1 | Bromfield (Oakly Park) ..... | 3·05 | 2·73 | ·73 | 1·89 | 2·55 | 2·94 | 3·38 | 6·33 | 3·31 | ·79 | 5·98 | 3·09 | 36·77 |
| ,, .....3 | Church Stretton (Woolstaston)..... | 5·01 | 3·51 | 1·35 | 1·79 | 3·36 | 3·35 | 2·95 | 7·18 | 4·92 | 1·66 | 6·22 | 3·69 | 44·99 |
| ,, .....4 | Shifnal (Hatton Grange) ..... | 2·19 | 1·88 | ·74 | 1·02 | 2·20 | 2·19 | 1·66 | 5 16 | 3·68 | ·54 | 4·41 | 2·58 | 28·25 |
| ,, .....4 | Cheswardine Hall ..... | 2·75 | 4·20 | 1·04 | 1·19 | 2·62 | 2·71 | 2·85 | 5·27 | 4·53 | ·56 | 4·91 | 2·67 | 35·30 |
| ,, .....4 | Oswestry (Mount Reservoir) ..... | 3·89 | 3·13 | 1·74 | ·99 | 2·62 | 3·80 | 1·63 | 5·64 | 4·08 | 1·69 | 6·16 | 3·61 | 38·98 |
| Staffordshire .....3 | Lichfield (Hanch Reservoir) ..... | 2·19 | 3·54 | ·75 | 1·31 | 2·78 | 2·81 | 1·69 | 5·69 | 4·05 | ·90 | 5·59 | 2·43 | 33·73 |
| ,, .....3 | Stafford (Victoria Pleasure Ground) | 2·68 | 4·28 | ·72 | 1·57 | 2·20 | 3·27 | 2·23 | 6·68 | 3·84 | ·39 | 4·70 | 2·58 | 35·14 |
| ,, .....5 | Leek (Wall Grange P.S.) ..... | 2·90 | 6·47 | ·97 | 1·13 | 1·55 | 4·24 | 3·20 | 4·69 | 4·72 | ·65 | 5·77 | 4·43 | 40·72 |
| Worcestershire ...1 | Malvern (Free Library) ..... | 2·46 | 1·63 | ·57 | 2·24 | 2·56 | 2·23 | 2·01 | 5·48 | 4·09 | ·67 | 4·38 | 2·14 | 30·46 |
| ,, ...2 | Stourport (Lincombe Lock) ..... | 2·33 | 1·77 | ·55 | 2·13 | 3·00 | 2·83 | 1·39 | 7·06 | 3·45 | ·85 | 4·96 | 2·22 | 32·54 |
| Warwickshire ....1 | Alcester (Ragley Hall) ..... | 1·86 | 1·61 | ·91 | 2·38 | 2·64 | 2·68 | 2·40 | 4·99 | 3·90 | ·51 | 5·29 | 2·14 | 31·31 |
| ,, .. 1 | Warwick (Mill Street) ..... | 1·93 | 2·09 | ·90 | 2·20 | 2·20 | 2·20 | 1·68 | 4·53 | 2·90 | ·64 | 4·85 | 2·26 | 28·38 |
| ,, ....1 | Coventry (City Hospital) ..... | 1·95 | 2·12 | ·64 | 1·96 | 2·19 | 2·34 | 2·01 | 4·44 | 3·01 | ·78 | 5·25 | 2·62 | 29·31 |
| ,, ....4 | Birmingham (Edgbaston) ..... | 2·78 | 2·44 | ·92 | 2·58 | 2·97 | 2·66 | 1·80 | 5·66 | 3·76 | ·49 | 6·57 | 2·87 | 35·50 |
| Leicestershire ....2 | East Norton ..... | 1·43 | 2·93 | 1·05 | 1·16 | 2·39 | 3·25 | 2·11 | 4·00 | 3·01 | 1·46 | 5·60 | 2·59 | 30·98 |
| ,, ....4 | Thornton Reservoir ..... | 1·83 | 3·49 | 1·08 | 1·86 | 2·22 | 2·46 | 1·99 | 5·74 | 4·14 | 1·25 | 5·28 | 2·55 | 33·89 |
| Leicestershire ....4 | Loughborough (Nanpantan Res.) .. | 2·12 | 4·31 | ·84 | 1·70 | 1·68 | 3·14 | 1·89 | 4·83 | 3·55 | 1·23 | 5·61 | 2·48 | 33·38 |
| Lincolnshire .....2 | Spalding (Pode Hole) ..... | 1·09 | 2·50 | 1·07 | 1·16 | 1·56 | 2·33 | 2·14 | 3·31 | 2·19 | 2·42 | 5·14 | 2·18 | 27·09 |
| ,, .....3 | Boston (Black Sluice, Skirbeck) ... | 1·08 | 1·91 | ·98 | 1·12 | 1·25 | 2·64 | 1·81 | 3·14 | 2·80 | 3·36 | 4·49 | 2·49 | 27·07 |
| ,, .....3 | Cranwell (Airfield) ..... | 1·40 | 2·17 | 1·08 | 1·22 | 1·35 | 3·98 | 2·02 | 3·39 | 3·36 | 1·97 | 3·89 | 2·60 | 28·43 |
| ,, .....3 | Horncastle ..... | 1·68 | 2·13 | 1·17 | 1·97 | 1·12 | 3·20 | 2·86 | 3·64 | 3·38 | 2·18 | 5·11 | 2·77 | 31·21 |
| ,, .....3 | Lincoln (Skellingthorpe Hall) ..... | 1·58 | 2·15 | 1·34 | 1·89 | 1·61 | 2·20 | 1·90 | 3·85 | 2·63 | ·85 | 4·52 | 2·63 | 27·15 |
| ,, ...4 | Skegness (Marine Gardens)..... | 1·60 | 1·89 | ·71 | ·68 | 1·50 | 2·42 | 3·17 | 3·64 | 3·68 | 2·41 | 3·99 | 1 74 | 27·43 |
| ,, .....5 | Brigg (Wrawby Road) ..... | 2·27 | 2·80 | 1·30 | 1·15 | 1·10 | 2·49 | 3·61 | 4·66 | 3·17 | 1·42 | 5·31 | 2·57 | 31·85 |
| Nottinghamshire 5 | Nottingham (The Castle) ..... | 2·12 | 2·78 | ·96 | 1·39 | 1·16 | 2·91 | 1·96 | 4·13 | 3·14 | 1·16 | 4·27 | 2·38 | 28·36 |
| ,, 5 | Mansfield (Carr Bank) ..... | 2·00 | 2·35 | 1·14 | 1·15 | 2·28 | 2·53 | 2·59 | 4·97 | 3·25 | 1·36 | 5·58 | 3·18 | 32·38 |
| ,, 5 | Gringley Carr P.S. ..... | 1·69 | 2·42 | 1·00 | 1·09 | 1·21 | 3·43 | 2·45 | 4·73 | 3·00 | 1·19 | 4·28 | 2·39 | 28·88 |
| Derbyshire .....6 | Buxton (Terrace Slopes) ..... | 6·49 | 9·54 | 1·69 | 2·20 | 1·68 | 5·34 | 5·14 | 5·46 | 6·97 | ·91 | 9·19 | 5·18 | 59·79 |
| Cheshire .....2 | Middlewich (Bostock Hall) ..... | 3·19 | 4·79 | ·72 | ·97 | 1·49 | 3·11 | 4·02 | 4·81 | 3·24 | 1·31 | 4·53 | 3·42 | 35·60 |
| ,, .....3 | Birkenhead (Bidston Obsy.) ..... | 3·31 | 4·00 | ·80 | ·94 | 2·19 | 3·37 | 3·55 | 5·11 | 3·37 | ·59 | 3·83 | 2·66 | 33·72 |
| Sth. Lancashire ..3 | Manchester (Whitworth Park) ..... | 4·14 | 5·27 | ·78 | 1·29 | 1·06 | 2·92 | 4·53 | 4·24 | 4·64 | ·63 | 4·99 | 3·03 | 37·52 |
| ,, ..3 | Bolton (Queen's Park) ..... | 5·57 | 6·87 | ·92 | 1·35 | 1·44 | 3·91 | 5·00 | 6·42 | 8·29 | 1·17 | 6·97 | 4·54 | 52·45 |

## Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apl. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Sth. Lancashire ..3 | Rochdale (Lord Street) ..... | 5·37 | 6·72 | 1·27 | 1·44 | 1·36 | 3·79 | 5·00 | 6·30 | 7·43 | 1·03 | 7·09 | 4·09 | 50·89 |
| Central Lancashire 1 | Stoneyhurst (College) ..... | 4·82 | 6·36 | ·99 | 1·42 | 1·24 | 2·99 | 5·67 | 7·85 | 7·19 | 1·26 | 6·82 | 4·67 | 51·28 |
| ,, ,, 3 | Southport (Bedford Road Park).... | 4·26 | 4·54 | ·84 | 1·08 | 2·12 | 3·46 | 4·19 | 5·03 | 5·19 | ·59 | 4·87 | 3·68 | 39·85 |
| Nth. Lancashire ..1 | Ulverston (Poaka Beck) ..... | 6·82 | 3·94 | 1·88 | 2·07 | 1·47 | 3·92 | 5·22 | 5·86 | 8·60 | ·75 | 8·83 | 6·81 | 56·17 |
| ,, ..3 | Morecambe .... ..... .. | 3·99 | 3·13 | ·89 | 1·21 | 1·21 | 3·29 | 4·49 | 4·35 | 5·87 | ·40 | 5·95 | 4·91 | 39·69 |
| ,, ..5 | Blackpool (Stanley Park) ..... | 4·27 | 3·66 | ·97 | 1·21 | 1·89 | 2·49 | 4·53 | 3·80 | 4·83 | ·57 | 4·97 | 3·96 | 37·15 |
| Yorkshire W.R....1 | Sedbergh (Brigflatts) .. ..... | 5·88 | 4·61 | 2·32 | 1·63 | 1·70 | 4·12 | 6·68 | 7·12 | 8·97 | ·58 | 9·20 | 6·64 | 59·45 |
| ,, ...7 | Sheffield W.W. (Redmires Res.) ... | 5·31 | 5·63 | 1·77 | 2·05 | 3·50 | 5·99 | 3·56 | 5·50 | 6·28 | 2·12 | 9·21 | 4·19 | 55·11 |
| Yorkshire W.R....8 | Huddersfield (Oakes) ..... | 4·91 | 5·91 | 2·03 | 1·64 | 1·97 | 2·60 | 4·19 | 4·24 | 5·51 | 1·09 | 7·12 | 2·92 | 44·13 |
| ,, ...8 | Wakefield (Clarence Park)..... | 1·99 | 3·25 | 1·36 | 1·67 | 2·45 | 2·13 | 3·31 | 3·81 | 3·89 | 1·10 | 4·20 | 2·32 | 31·48 |
| ,, ...9 | Bradford (Lister Park) .. ..... | 3·68 | 4·28 | 1·28 | 1·50 | 2·00 | 2·06 | 3·11 | 4·85 | 5·31 | ·81 | 5·89 | 2·79 | 37·56 |
| ,, ..10 | Ilkley (Spences Gardens) ..... | 3·82 | 4·31 | 1·19 | 1·29 | 2·27 | 2·30 | 3·75 | 6·00 | 6·74 | 1·37 | 5·70 | 3·25 | 41·99 |
| ,, ..10 | Oughtershaw Hall ..... | 8·60 | 8·25 | 2·90 | 2·63 | 1·93 | 6·21 | 5·35 | 10·40 | 9·42 | 1·77 | 11·94 | 6·67 | 76·07 |
| ,, ..11 | Harrogate (Harlow Moor Obsy.) .. | 3·61 | 3·45 | 1·36 | 1·78 | 2·98 | 2·27 | 3·73 | 4·42 | 5·85 | 1·91 | 6·19 | 2·42 | 39·97 |
| ,, ..11 | Ramsgill ..... ..... | 5·79 | 6·18 | 1·45 | 2·17 | 3·15 | 3·37 | 3·88 | 7·50 | 7·60 | 2·38 | 8·80 | 4·42 | 56·69 |
| Yorkshire E.R. ...2 | Birdsall Gardens ..... ..... | 2·42 | 1·71 | 1·32 | 2·03 | 2·00 | 2·90 | 3·33 | 3·77 | 5·20 | ·80 | 6·03 | 3·56 | 35·07 |
| Yorkshire E.R. ...3 | Spurn Head (R.N. Signal Stn.)..... | 1·43 | 2·73 | 1·02 | ·94 | 1·13 | 2·68 | 2·53 | 3·51 | 2·43 | 2·44 | 3·51 | 1·95 | 26·30 |
| ,, ...3 | Hull (Pearson Park) ..... | 2·06 | 2·34 | 1·48 | 1·78 | 1·52 | 2·32 | 3·32 | 4·11 | 4·14 | 1·69 | 5·07 | 2·39 | 32·22 |
| ,, ...3 | Beverley (E.R. Mental Hos.)..... | 2·31 | 2·20 | 1·33 | 1·07 | 1·65 | 2·99 | 2·66 | 5·32 | 3·95 | 1·23 | 5·61 | 2·58 | 32·90 |
| ,, ...3 | Lowthorpe (The Elms) ..... | 2·08 | 1·92 | 1·43 | 1·31 | 1·35 | 2·10 | 2·34 | 3·51 | 4·59 | 1·24 | 5·66 | 3·00 | 30·53 |
| Yorkshire N.R. ...1 | Leyburn (Spennithorne) ..... | 2·66 | 1·89 | 1·33 | 1·63 | 3·13 | 2·09 | 2·61 | 5·35 | 4·86 | 1·44 | 6·41 | 3·00 | 36·40 |
| ,, ...2 | Felixkirk (Mount St. John) ..... | 1·96 | ·97 | 1·32 | 2·08 | 2·12 | 2·10 | 3·50 | 3·90 | 3·50 | ·65 | 4·38 | 2·69 | 29·17 |
| ,, ...3 | York (Museum) ..... | 2·15 | 1·95 | ·89 | 1·82 | 1·65 | 2·43 | 2·84 | 3·54 | 4·28 | ·66 | 5·39 | 2·18 | 29·78 |
| ,, ...5 | Scarborough ..... ..... | 1·47 | 2·00 | ·98 | 1·82 | 1·42 | 2·74 | 3·46 | 3·05 | 4·23 | ·97 | 3·95 | 2·83 | 28·92 |
| Yorkshire N.R. ..6 | Kildale Hall ..... | 1·62 | 1·06 | 1·28 | 2·12 | 2·66 | 2·19 | 4·70 | 5·45 | 3·64 | 1·05 | 6·77 | 4·75 | 37·29 |
| ,, ...6 | Middlesbrough (Albert Park) ..... | 1·08 | ·43 | 1·07 | 1·97 | 1·67 | 1·92 | 4·13 | 2·86 | 2·42 | 1·36 | 3·49 | 2·04 | 24·44 |
| Durham .. .....1 | Darlington (South Park) ..... | 1·76 | ·65 | ·88 | 1·46 | 2·39 | 1·49 | 3·01 | 3·31 | 3·46 | 1·39 | 5·00 | 2·39 | 27·19 |
| ,, .....1 | Barnard Castle (Bowes Museum) .. | 2·06 | 1·80 | 1·42 | 1·30 | 2·08 | 1·61 | 2·84 | 4·15 | 4·39 | 1·16 | 7·03 | 3·45 | 33·29 |
| ,, .....2 | Burnhope (Lodgegill Mine) ..... | 7·00 | 5·00 | 3·20 | 2·70 | 3·20 | 3·80 | 5·40 | 6·80 | 8·50 | 2·10 | 11·20 | 6·30 | 65·20 |
| ,, .....2 | Durham (Houghall Hort. Stn.)..... | 1·54 | ·45 | 1·22 | 1·91 | 2·28 | 1·43 | 3·19 | 4·30 | 4·01 | 1·63 | 5·07 | 2·86 | 29·89 |
| ,, .....2 | Weardale W.W. (Waskerley)..... | 2·44 | 1·52 | 1·74 | 1·51 | 3·12 | 2·27 | 3·94 | 4·40 | 4·57 | 1·60 | 6·04 | 3·22 | 36·37 |
| Northumberland .3 | Newcastle (Leazes Park) ..... .... | 1·44 | ·35 | 1·43 | 1·35 | 1·74 | 2·08 | 3·95 | 3·19 | 3·54 | ·80 | 4·18 | 2·24 | 26·29 |

## Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apl. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Northumberland 4 | Bellingham (High Green) | 2·60 | 1·34 | 2·00 | ·68 | 2·01 | 3·20 | 3·64 | 4·95 | 4·49 | ·69 | 5·56 | 2·79 | 33·95 |
| ,, 5 | Morpeth (Cockle Park) | 1·44 | ·38 | 1·46 | ·78 | 1·73 | 2·02 | 2·91 | 4·64 | 3·46 | ·73 | 4·38 | 2·32 | 26·25 |
| ,, 5 | Howick Hall Gardens | 1·17 | ·68 | 1·21 | ·92 | 2·35 | 2·17 | 3·18 | 6·22 | 2·90 | ·99 | 4·17 | 3·06 | 29·02 |
| ,, 6 | Ilderton (Lilburn Tower Gardens) | 1·37 | ·72 | 1·61 | ·64 | 1·48 | 1·73 | 3·47 | 5·93 | 2·26 | 1·61 | 5·05 | 2·22 | 28·09 |
| Cumberland .....1 | Penrith (Newton Rigg) | 3·25 | 2·83 | 1·26 | 1·06 | 1·03 | 2·15 | 3·53 | 6·49 | 5·18 | ·80 | 5·01 | 3·39 | 35·98 |
| ,, .....1 | Silloth | 4·91 | 1·96 | 2·85 | 1·00 | 1·41 | 2·74 | 3·46 | 4·24 | 6·14 | ·83 | 4·79 | 3·70 | 38·03 |
| ,, .....1 | Geltsdale | 3·12 | 2·23 | 1·64 | 1·72 | 1·54 | 3·96 | 5·70 | 6·02 | 5·60 | 1·08 | 5·00 | 3·17 | 40·78 |
| ,, .....2 | Borrowdale (Stockly Bridge) | 22·00 | 12·00 | 8·50 | 4·75 | 2·75 | 14·00 | 13·50 | 14·50 | 26·00 | 1·00 | 27·50 | 18·50 | 165·00 |
| Cumberland .....2 | Keswick (High Hill) | 8·15 | 4·67 | 3·39 | 1·75 | 1·28 | 4·39 | 5·40 | 8·30 | 8·87 | ·69 | 11·30 | 7·74 | 65·93 |
| ,, .....3 | Ravenglass (The Grove) | 5·07 | 3·59 | 1·78 | 2·00 | 1·62 | 3·54 | 3·96 | 4·41 | 6·78 | ·87 | 7·12 | 7·08 | 47·82 |
| ,, .....3 | Wast Water (Wasdale Head) | 11·50 | 6·50 | 6·00 | 3·25 | 2·00 | 7·50 | 8·50 | 11·00 | 16·50 | ·55 | 14·50 | 9·75 | 97·55 |
| Westmorland ....1 | Appleby (Castle Bank) | 3·68 | 2·41 | 1·70 | 1·22 | 1·75 | 2·36 | 4·37 | 4·50 | 4·60 | ·73 | 6·12 | 3·90 | 37·34 |
| ,, ... 3 | Kendal (Gas Works) | 5·36 | 3·99 | 2·44 | 1·52 | 1·52 | 4·35 | 5·60 | 4·60 | 8·84 | ·64 | 7·95 | 5·80 | 52·61 |
| Monmouth .. ..3 | Newport W.W. (Nantypridd) | 6·42 | 2·78 | 1·57 | 2·68 | 5·28 | 4·64 | 1·86 | 8·14 | 6·47 | 1·33 | 6·56 | 4·88 | 52·61 |
| ,, .....3 | Abergavenny (Larchfield) | 3·91 | 2·36 | ·98 | 1·79 | 4·90 | 2·00 | 2·03 | 6·57 | 5·22 | 1·44 | 9·14 | 4·49 | 44·83 |
| Glamorgan .....3 | Swansea (Victoria Park) | 4·95 | 3·33 | 1·21 | 1·47 | 3·47 | 4·81 | 2·40 | 6·86 | 6·71 | 2·47 | 6·53 | 4·74 | 48·95 |
| Glamorgan .....3 | Ystalyfera (Wern House) | 9·51 | 5·63 | 2·25 | 1·87 | 3·54 | 8·08 | 5·04 | 11·63 | 11·86 | 1·99 | 14·35 | 7·39 | 83·14 |
| ,, .....6 | Treherbert (Tyn-y-Waun) | 14·53 | 10·87 | 3·55 | 2·83 | 4·61 | 9·80 | 5·29 | 14·81 | 15·66 | 2·13 | 20·25 | 10·65 | 114·98 |
| ,, .....7 | Cardiff (Penylan) | 4·61 | 2·37 | 1·43 | 2·06 | 4·75 | 4·27 | 2·32 | 7·97 | 5·86 | 1·18 | 6·83 | 4·66 | 48·31 |
| Carmarthen .....2 | Llanddeusant (Pontcrynfe) | 8·10 | 4·85 | 1·98 | 2·02 | 2·95 | 4·66 | 2·79 | 8·54 | 8·97 | 2·18 | 12·04 | 8·25 | 67·33 |
| ,, .....2 | Abergorlech | 9·23 | 4·78 | 3·05 | 1·69 | 3·16 | 5·17 | 2·17 | 7·83 | 9·20 | 3·07 | 12·99 | 7·43 | 69·77 |
| Pembroke .....4 | St. Ann's Head (C. Guard Stn.) | 4·52 | (1·72) | 2·00 | 1·02 | 4·14 | 3·41 | 1·39 | 4·58 | 4·53 | 2·82 | 5·43 | 4·31 | 39·87 |
| ,, .....4 | Haverfordwest (Hospital Grounds) | 5·44 | 2·15 | 1·84 | 1·37 | 3·93 | 4·46 | 1·82 | 5·46 | 5·37 | 2·49 | 6·53 | 4·53 | 45·39 |
| Cardigan.....2 | Aberystwyth (Corporation Yard) | 3·63 | 3·27 | ·83 | 1·00 | 2·27 | 3·13 | 2·91 | 6·11 | 5·15 | 1·28 | 4·50 | 3·33 | 37·41 |
| Cardigan.....2 | Aberystwyth (P.B.S.) | 4·38 | 3·72 | 1·43 | 1·30 | 2·05 | 3·46 | 3·46 | 6·87 | 6·35 | 1·74 | 5·25 | 3·74 | 43·75 |
| ,, .....2 | Plynlimon (Llygad Rheidol) | 11·80 | 14·00 | 3·10 | 2·80 | 4·60 | 8·00 | 8·30 | 14·00 | 16·10 | 3·20 | 12·50 | 6·90 | 105·30 |
| ,, .....3 | Cardigan (Plas Llangoedmore) | 5·40 | 2·67 | 1·29 | 1·19 | 2·41 | 3·01 | 2·33 | 4·49 | 4·49 | 1·88 | 6·52 | 4·82 | 40·50 |
| Brecon .....7 | Swansea W.W. (Cray Res.) | 10·35 | 4·85 | 2·90 | 2·19 | 4·10 | 7·69 | 4·66 | 10·01 | 10·86 | 2·61 | 15·07 | 8·80 | 84·09 |
| Radnor .....1 | Birmingham W.W. (Tyrmynydd) | (7·78) | 10·40) | 1·65 | 2·06 | 3·90 | 4·45 | 3·36 | 7·70 | 9·75 | 2·84 | 12·38 | 8·31 | 74·58 |
| Montgomery .....1 | Machynlleth (Plas Llwyn Gwern) | 13·94 | 10·61 | 3·01 | 2·11 | 2·52 | 8·71 | 6·18 | 8·69 | 14·13 | 2·09 | 10·55 | 8·23 | 90·77 |
| ,, .....5 | Welshpool (County School) | 3·17 | 3·84 | 1·62 | 1·28 | 2·36 | 2·52 | 1·96 | 5·04 | 3·84 | 1·38 | 4·98 | 2·74 | 34·73 |
| ,, .....5 | Lake Vyrnwy (Fawnog) | 9·84 | 10·97 | 2·49 | 1·41 | 2·72 | 6·79 | 2·79 | 8·51 | 8·07 | 2·57 | 11·10 | 7·95 | 75·21 |

## Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apl. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Flint .....1 | Hawarden..... ..... | 2·75 | 3·60 | ·93 | ·67 | 2·92 | 2·80 | 2·15 | 3·85 | 2·55 | 1·28 | 3·69 | 2·80 | 29·99 |
| Denbigh .....1 | Wrexham W.W. (Pack Saddle Res.) | 3·56 | 5·39 | 1·03 | ·86 | 2·74 | 2·55 | 1·78 | 4·79 | 3·67 | 2·06 | 5·94 | 3·76 | 38·13 |
| „ .....2 | Llangynhafel (Plas Draw) ... ..... | 3·47 | 4·65 | 1·71 | ·79 | 3·48 | 3·27 | 1·96 | 3·84 | 2·53 | 1·10 | 4·29 | 3·50 | 34·59 |
| Merioneth .....1 | Bala (Tegid Street) ..... | 8·36 | 10·16 | 1·92 | 1·39 | 2·55 | 4·50 | 2·59 | 6·01 | 6·10 | 1·23 | 7·33 | 6·99 | 59·13 |
| „ .....1 | Llanderfel (Palé Gardens) ..... | 8·31 | 9·35 | 1·64 | 1·00 | 2·14 | 4·36 | 3·07 | 6·27 | 5·90 | 1·68 | 8·33 | 6·49 | 58·54 |
| „ .....3 | Blaenau Festiniog (Oakeley Quarries) | 17·77 | 16·44 | 5·25 | 4·03 | 2·77 | 12·85 | 9·56 | 11·16 | 21·09 | 1·86 | 13·63 | 14·20 | 130·61 |
| „ .....4 | Dolgelly (Borthwnog)..... | 6·25 | 5·86 | 1·19 | 1·75 | 2·05 | 5·10 | 5·10 | 6·86 | 7·03 | 1·84 | 7·36 | 7·05 | 57·44 |
| Carnarvon .. ....2 | Llandudno (Cricket Ground) ..... | 3·92 | 3·64 | 1·03 | 1·11 | 2·46 | 2·78 | 2·08 | 3·50 | 4·09 | ·54 | 2·75 | 3·63 | 31·53 |
| Carnarvon .....4 | Pwllheli (West End) ..... | 6·52 | 3·76 | 1·40 | ·96 | 1·43 | 4·51 | 2·18 | 4·57 | 4·93 | ·92 | 7·07 | 8·01 | 46·26 |
| „ .....5 | Snowdon (Cwm Dyli) ... ..... | 22·35 | 19·02 | 5·49 | 3·27 | 3·37 | 14·96 | 9·59 | 13·32 | 19·96 | 2·11 | 19·63 | 19·56 | 152·63 |
| Anglesey ..... | Holyhead (Salt Island) ..... | 5·42 | (3·27) | (1·61) | (·83) | (1·62) | (2·09) | 2·49 | 4·38 | 3·74 | 1·02 | 6·53 | 4·02 | 37·02 |
| „ ..... | Llanerchymedd (Llwydiarth Esgob) | 5·55 | 3·68 | 2·13 | 1·27 | 2·18 | 3·06 | 2·72 | 4·10 | 5·44 | 1·07 | 6·92 | 6·15 | 44·27 |
| **ISLE OF MAN** | | | | | | | | | | | | | | |
| Isle of Man ..... | Douglas (Borough Cemetery) ..... | 5·19 | 3·96 | 1·82 | 1·20 | 1·37 | 4·22 | 1·85 | 4·87 | 6·55 | ·54 | 8·13 | 5·48 | 45·18 |
| „ ..... | Point of Ayre..... | 4·27 | 2·37 | 1·22 | ·97 | 1·20 | 2·24 | 1·97 | 3·81 | 5·13 | ·39 | 5·47 | 3·70 | 32·74 |
| **SCOTLAND** | | | | | | | | | | | | | | |
| Wigtownshire.....1 | Castle Kennedy (Lochinch) ..... | 6·56 | 2·94 | 2·43 | 1·29 | 1·06 | 2·98 | 3·38 | 3·89 | 6·11 | ·81 | 7·86 | 5·59 | 44·90 |
| „ .....3 | Port William (Monreith) ... ..... | 6·08 | 2·44 | 2·98 | 1·01 | 1·34 | 2·32 | 2·84 | 4·08 | 5·95 | ·67 | 7·19 | 4·83 | 41·73 |
| „ ... .4 | Kirkcowan (Craiglaw) ..... | 8·00 | 3·72 | 2·49 | 1·42 | ·99 | 3·40 | 3·72 | 4·51 | 8·72 | ·93 | 9·67 | 6·30 | 53·87 |
| Kirkcudbright ....3 | Mossdale (Hensol) ..... | 7·24 | 3 39 | 3·66 | 1·13 | 1·21 | 4·26 | 3·10 | 4·23 | 8·10 | ·96 | 9·47 | 5·89 | 52·64 |
| „ ....5 | Lochrutton (Dumfries W.W.) ..... | 6·16 | 2·73 | 4·72 | 1·13 | 1·00 | 3 56 | 3·81 | 4·43 | 7·01 | ·79 | 8·24 | 5·65 | 49·23 |
| Dumfriesshire ....3 | Dumfries (Crichton Roy. Inst.) . .. | 4·73 | 1·94 | 3·96 | ·90 | 1·18 | 3·39 | 3·07 | 4·54 | 6·66 | ·80 | 7·38 | 4·86 | 43·41 |
| „ ....5 | Langholm (Arkleton) .... ..... | 6·48 | 2·78 | 4·19 | 1·33 | 1·78 | 5·60 | 5·32 | 5·70 | 8·35 | ·91 | 9·73 | 5·84 | 58·01 |
| „ ....5 | Eskdalemuir Observatory ..... | 7·62 | 3·93 | 5·26 | 1·97 | 1·35 | 6·38 | 4·58 | 6·25 | 9·48 | ·90 | 10·81 | 6·53 | 65·06 |
| Roxburghshire ...3 | Crailing..... ..... | 1·62 | ·77 | 1·57 | ·55 | 1·35 | 2·15 | 3·10 | 4·03 | 2·97 | ·64 | 3·57 | 1·69 | 24·01 |
| „ ....7 | Kelso (Floors) ..... | 1·53 | ·83 | 1·26 | ·49 | 1·59 | 1·56 | 2·61 | 4·64 | 2·56 | ·80 | 4·37 | 1·60 | 23·84 |
| Peeblesshire .....1 | Edinburgh W.W. (Victoria Lodge) | 5·97 | 2·61 | 2·90 | 1·21 | ·98 | 3·06 | 4·74 | 5·09 | 6·42 | ·80 | 9·22 | 4·29 | 47·29 |
| „ .....2 | Stobo Castle ..... | 3·25 | 2·02 | 2·05 | 1·00 | ·98 | 2·56 | 3·58 | 4·26 | 4·73 | ·55 | 6·33 | 3·56 | 34·87 |
| Berwickshire 4 | Marchmont House ..... | 1·93 | ·84 | 2·21 | ·43 | 1·41 | 1·44 | 2·54 | 3·97 | 3·83 | ·85 | 5·38 | 1·92 | 26·75 |
| East Lothian .....5 | North Berwick Reservoir..... | 1·66 | 1·08 | 2·20 | ·26 | 2·51 | 2·66 | 2·38 | 3·37 | 2·92 | ·70 | 4·41 | 1·83 | 25·98 |
| Midlothian .....4 | Moorfoot Hills (Gladhouse Res.) .. | 2·38 | 1·55 | 2·44 | ·66 | 2·22 | 1·72 | 3·60 | 4·31 | 3·57 | ·55 | 5·22 | 2·65 | 30·87 |
| „ .....5 | Pentland Hills (Harperrig)..... | 3·50 | 2·31 | 2·81 | ·87 | 2·06 | 2·02 | 4·78 | 4·35 | 4·68 | ·89 | 5·09 | 3·97 | 37·33 |

## Table 8c Monthly Rainfall—SCOTLAND (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apl. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Midlothian .....5 | Edinburgh (Blackford Hill) ..... | 1·81 | 1·58 | 1·54 | ·40 | 1·89 | 1·65 | 3·05 | 3·59 | 3·02 | ·86 | 3·29 | 1·87 | 24·55 |
| Lanarkshire .....4 | Gartcosh (Gartloch Hospital) ..... | 4·37 | 2·90 | 2·07 | 1·46 | 1·55 | 3·50 | 3·74 | 3·08 | 6·53 | ·62 | 4·86 | 2·91 | 37·59 |
| „ .....5 | Strathaven (Dungavel) ..... .. | 6·02 | 3·66 | 2·92 | 2·01 | ·84 | 3·19 | 3·17 | 2·91 | 6·28 | ·60 | 6·78 | 4·52 | 42·90 |
| „ .....5 | Hamilton W.W. (Townhill) .. .... | 4·57 | 2·68 | 2·32 | 1·52 | 1·27 | 2·58 | 3·23 | 2·25 | 6·07 | ·48 | 4·46 | 3·90 | 35·33 |
| Ayrshire .....3 | Kilmarnock (Kay Park) ..... | 4·53 | 2·70 | 2·73 | 2·21 | 1·81 | 2·76 | 3·59 | 2·09 | 7·27 | ·49 | 5·49 | 3·81 | 39·48 |
| „ .....5 | Maybole (Otterden) ..... | 4·83 | 2·56 | 1·92 | 1·80 | ·70 | 2·51 | 4·01 | 2·00 | 5·66 | ·49 | 6·01 | 4·17 | 36·66 |
| „ .....8 | Colmonell (Knockdolian) ..... | 7·34 | 2·82 | 1·54 | 1·07 | ·49 | 1·73 | 3·80 | 2·82 | 5·68 | ·48 | 6·51 | 5·48 | 39·76 |
| „ .....13 | Glen Afton (Ayr Sanatorium) ..... | 7·85 | 3·41 | 3·53 | 2·08 | 1·26 | 3·15 | 4·69 | 4·11 | 8·39 | ·55 | 8·35 | 5·80 | 53·17 |
| Renfrewshire .. ..2 | Glasgow (Queen's Park) ... .... | 5·75 | 3·05 | 2·39 | 1·47 | 1·22 | 3·61 | 4·01 | 2·73 | 6·50 | ·57 | 5·15 | 3·57 | 40·02 |
| „ .....3 | Greenock (Prospect Hill) ..... | 10·07 | 4·07 | 2·93 | 2·38 | 1·46 | 3·90 | 3·86 | 2·52 | 7·49 | ·58 | 6·59 | 7·93 | 53·78 |
| Stirlingshire .....1 | Falkirk (Arnotdale) ..... | 4·26 | 3·16 | 2·80 | ·93 | 1·80 | 2·63 | 3·43 | 3·73 | 5·35 | ·65 | 5·10 | 3·72 | 37·56 |
| Buteshire .....1 | Rothesay (Ardencraig) ..... | 7·43 | 4·39 | 2·78 | 2·73 | ·98 | 3·80 | 3·91 | 4·03 | 7·77 | ·61 | 6·71 | 6·15 | 51·29 |
| Argyllshire .....2 | Loch Sunart (Glenborrodale) ..... | 10·65 | 6·36 | 3·24 | 4·35 | 1·16 | 4·68 | 8·04 | 6·65 | 6·68 | ·88 | 5·64 | 7·74 | 66·07 |
| „ .....3 | Morvern (Kingairloch).. ..... | 15·78 | 8·21 | 6·83 | 4·87 | 1·58 | 11·71 | 8·88 | 8·93 | 14·00 | ·65 | 10·75 | 11·59 | 103·78 |
| „ .....4 | Glenleven (Kinlochleven) ..... ... | 14·20 | 8·78 | 5·14 | (4·92) | 1·72 | 7·03 | 8·31 | 7·24 | 11·08 | ·66 | 8·19 | 9·28 | 86·55 |
| „ .....7 | Oban ..... | 6·49 | (4·23) | 2·94 | 2·99 | 1·68 | 3·17 | 4·67 | 6·40 | 5·91 | ·40 | 4·42 | 6·49 | 49·79 |
| Argyllshire .....8 | Lochgilphead (Poltalloch) ..... . | 7·56 | 4·90 | 2·46 | 2·56 | ·84 | 3·21 | 5 98 | 4·09 | 6·95 | ·38 | 5·62 | 6·02 | 50·57 |
| „ .....9 | Largie Castle ..... | 7·50 | 3·96 | 2·46 | 2·29 | ·52 | 3·09 | 5·10 | 4·74 | 7·25 | ·58 | 6·73 | 8·23 | 52·45 |
| „ ... .10 | Monybacach (Skipness) ..... . | 7·02 | 5·35 | 2·37 | 2·85 | ·78 | 2·45 | 5·30 | 3·42 | 7·45 | ·88 | 5·78 | 7·23 | 50·88 |
| „ .....11 | Ardrishaig (Canal Office)..... | 10·60 | 6·38 | 2·78 | 3·11 | ·65 | 3·35 | 5·83 | 4·36 | 9·25 | 1·08 | 7·11 | 7·46 | 61·96 |
| „ .....11 | Inveraray Castle Gardens ..... | 12·54 | 6·66 | 4·87 | 2·84 | 1·70 | 7·20 | 5·74 | 7·05 | 10·26 | ·66 | 7·54 | 9·78 | 76·84 |
| „ ... .12 | Loch Eck (Benmore) ..... | 14·67 | 7·95 | 5·81 | 4·11 | 2·38 | 5·57 | 5·95 | 4·87 | 12·47 | 1·20 | 11·12 | 10·80 | 86·90 |
| „ .....14 | Islay (Eallabus) ..... | 7·62 | 3·43 | 2·98 | 2·18 | ·45 | 3·88 | 5·15 | 4·29 | 5·99 | 1·00 | 4·89 | 6·89 | 48·75 |
| „ .....14 | Jura (Ardfin) ... ..... ..... | 5·62 | 5·63 | 2·75 | 1·97 | ·41 | 4·53 | 5·67 | 5·92 | 7·41 | ·94 | 5·57 | 6·00 | 52·42 |
| Argyllshire .....14 | Colonsay ..... ..... | 7·21 | 3·98 | 2·60 | 1·90 | ·73 | 4·17 | 5·24 | 4·61 | 7·00 | ·80 | 4·55 | 5·72 | 48·51 |
| „ .....14 | Seil (An Cala) ..... .. | 6·99 | 5·14 | 3·12 | 3·01 | ·85 | 4·62 | 5·56 | 5·93 | 6·30 | ·57 | 4·82 | 8·04 | 54·95 |
| „ .....14 | Mull (Bunessan) ..... | 6·33 | 3·86 | 3·13 | 1·28 | ·62 | 4·35 | 7·64 | 3·85 | 5·03 | ·49 | 4·18 | 6·44 | 47·20 |
| „ .....14 | Mull (Gruline) ..... | 13·53 | 6·68 | 4·95 | 4·70 | ·88 | 7·19 | 7·23 | 6·73 | 9·05 | ·88 | 7·64 | 10·96 | 80·42 |
| „ .....14 | Tiree ..... ..... | 8·63 | 3·50 | 3·39 | 1·57 | ·55 | 4·09 | 3·81 | 4·61 | 4·35 | ·57 | 3·88 | 5·18 | 44·13 |
| Kinross .. .....2 | Loch Leven Sluice ..... | 3·74 | 1·74 | 2·81 | ·69 | 1·78 | 3·01 | 4·06 | 4·07 | 5·17 | ·29 | 6·40 | 3·71 | 37·47 |
| Fife ..... .....3 | Leuchars Airfield ..... | 1·48 | ·97 | 1·91 | ·28 | 1·82 | 2·02 | 2·37 | 3·08 | 2·54 | ·59 | 5·69 | 2·24 | 24·99 |
| Perthshire .....1 | Loch Dhu..... | 13·62 | 6·45 | 4·67 | 2·15 | 1·94 | 6·31 | 5·44 | 5·56 | 10·77 | ·65 | 11·94 | 9·91 | 79·41 |

## Table 8c Monthly Rainfall—SCOTLAND (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apl. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Perthshire .....3 | Glengyle ..... | 13·99 | 6·62 | 6·13 | 2·85 | 2·32 | 7·32 | 6·51 | 7·69 | 11·26 | ·95 | 11·38 | 10·63 | 87·65 |
| ,, .....4 | Glendevon (Frandy) ..... | 6·90 | 4·39 | 5·07 | 1·56 | 1·80 | 4·99 | 5·64 | 6·19 | 9·55 | ·50 | 9·90 | 7·65 | 64·14 |
| ,, .....7 | Lochearnhead (Edinchip) ..... | 12·21 | 3·88 | 4·05 | 2·40 | 2·05 | 4·06 | 4·44 | 5·40 | 8·90 | ·79 | 9·39 | 8·05 | 65·62 |
| ,, .....7 | Crieff (Strathearn Hydro) ..... | 4·97 | 2 01 | 2·28 | ·50 | 1·72 | 4·03 | 3·68 | 4·29 | 6·74 | ·97 | 6·46 | 5·09 | 42·74 |
| ,, .....11 | Aberfeldy (Dall Avon) ..... | 4·89 | 2·78 | 1·71 | ·55 | 1·48 | 2·77 | 3·98 | 4·03 | 4·42 | ·23 | 5·74 | 5·22 | 37·80 |
| ,, .....14 | Loch Rannoch (Dall) ..... | 7·02 | 4·11 | 1·87 | 1·51 | 1·45 | 3·70 | 4·05 | 4 51 | 5·27 | ·57 | 5·00 | 5·25 | 44·31 |
| ,, .....14 | Blair Atholl (Blair Castle Gdns.) .. | 4·17 | 3·34 | 1·08 | ·51 | 1·84 | 2·45 | 3·67 | 3·35 | 4·10 | ·30 | 5·04 | 3·97 | 33·82 |
| ,, .....15 | Kirkmichael (Ballintuim House) ... | 4·58 | 2·56 | 2·17 | ·43 | 2·08 | 3·39 | 4·25 | 3·80 | 4 94 | ·33 | 6·77 | 4·94 | 40·24 |
| Angus .....2 | Dundee (Clatto Res.) ..... | 2·28 | 1·33 | 2·24 | ·36 | 1·81 | 3·99 | 3·43 | 5·78 | 4·09 | ·41 | 6·06 | 2·57 | 34·35 |
| ,, .....3 | Arbroath (Western Cemetery) ..... | (1·50) | 1·07 | 1·77 | ·26 | 1·77 | 2·89 | 3·63 | 2·92 | 2·71 | ·67 | 5·94 | 2·90 | 28·03 |
| ,, .....3 | Forfar W.W. (Den of Ogil) ..... | 3·01 | 1·74 | 2·83 | ·38 | 2·29 | 5·59 | 6·45 | 6·37 | 7·20 | ·49 | 9·61 | 4·63 | 50·59 |
| ,, .....4 | Montrose (Sunnyside Asylum) .... | 1·33 | ·96 | 1·65 | ·24 | 1·33 | 3·34 | 4·05 | 2·67 | 3·25 | ·49 | 6·46 | 3·63 | 29·40 |
| Kincardineshire ..3 | Strachan (Bridge of Dye)..... | 3·18 | 2·01 | 3·25 | ·68 | 2·49 | 4·36 | 6·76 | 3·57 | 6·43 | ·43 | 12·05 | 7·55 | 52·76 |
| Aberdeenshire ....1 | Braemar (Bank)..... | 3·37 | 2·80 | 1·69 | ·69 | 2·31 | 2·43 | 4·11 | 4·21 | 4·86 | ·30 | 6·71 | 4·15 | 37·63 |
| ,, ....1 | Balmoral Castle Gardens.. ..... | 2·74 | 1·99 | 1·31 | ·62 | 2·20 | 2·49 | 4·55 | 5·14 | 4·57 | ·27 | 5·79 | 2·88 | 34·55 |
| ,, ...1 | Lumphanan ..... | 1·38 | 1·60 | 2·60 | ·42 | 2·21 | 2·80 | 4·11 | 3·28 | 5·15 | ·35 | 6·01 | 3·90 | 33·81 |
| Aberdeenshire ....2 | Aberdeen Observatory ..... | 1·11 | 1·42 | 1·44 | ·37 | 2·74 | 2·53 | 4·10 | 3·00 | 3·70 | ·50 | 5 98 | 2 86 | 29·75 |
| ,, ....3 | Haddo House ..... | 1·37 | 2·35 | 1·75 | ·66 | 3·22 | 2·58 | 5·04 | 1·85 | 3·67 | ·45 | 7 48 | 3 33 | 33·75 |
| ,, ....3 | Fyvie Castle ..... | 1·24 | 2·94 | 2·59 | ·83 | 3·20 | 2·45 | 4·67 | 1·65 | 3·42 | ·44 | 6·82 | 3·19 | 33·44 |
| ,, ....4 | Peterhead (Forehill Works) ..... | 1·33 | 2·39 | 1·03 | ·80 | 1·96 | 2·00 | 4·31 | 2·01 | 2·53 | ·53 | 5·25 | 2·60 | 26·74 |
| Banffshire .....2 | Turriff (Forglen Gardens) ..... | ·98 | 2·95 | 1·81 | ·87 | 2·36 | 1·82 | 4·46 | 2·48 | 2·97 | ·35 | 5·02 | 2·46 | 28·53 |
| ,, ..... 3 | Ballindalloch ..... | 1·02 | 3·51 | 1·60 | 2·03 | 2·49 | 2·38 | 7·05 | 3·32 | 4·21 | ·27 | 4·04 | 2 14 | 34·06 |
| Morayshire.....2 | Fochabers (Gordon Castle) ..... | ·56 | 2·26 | 1·24 | 1·60 | 1·84 | 2·11 | 4·97 | 4·99 | 3·62 | ·30 | 3·70 | 1·72 | 28·91 |
| Nairnshire .. ....2 | Nairn (Achareidh) ..... | ·87 | 1·55 | ·77 | ·90 | 1·62 | 2·53 | 5·14 | 3·08 | 3·50 | ·22 | 2·89 | ·80 | 23·87 |
| Inverness-shire ...2 | Dalwhinnie ..... | 6·40 | 4·52 | 1·70 | 1·18 | 1·03 | 3·94 | 5·53 | 2·54 | 4·94 | ·34 | 4·27 | 5·45 | 41·84 |
| ,, ...3 | Glenshero ..... | 6·28 | 5·41 | 2·39 | 2·08 | 1·35 | 3·60 | 6·08 | 2·50 | 6·20 | ·77 | 3·63 | 4·98 | 45·27 |
| ,, ...6 | Loch Ness (Foyers) ..... | 3·83 | 3·76 | 1·52 | 1·58 | 1·71 | 3·39 | 5·08 | 2·36 | 5·49 | ·41 | 2·72 | 2·77 | 34·62 |
| ,, ...6 | Inverness (Culduthel Res.) ..... | 1·57 | 2·08 | ·94 | ·92 | 1·69 | 2·92 | 5·17 | 3·70 | 3·84 | ·43 | 2·90 | 1·07 | 27·23 |
| ,, ...7 | Loch Quoich (Glenquoich) ..... .. | 15·40 | 11·13 | 5·25 | 6·64 | ·93 | 9·48 | 12·81 | 4·67 | 13·22 | 1·24 | 10·31 | 10·57 | 101·65 |
| ,, ..12 | Loch Nevis (Inverie Gardens).. ... | 10·67 | 8·65 | 5·49 | 6·95 | 1·75 | 7·87 | 10·21 | 7·28 | 9·28 | 1·56 | 7·41 | 8·14 | 85·26 |
| ,, ..13 | Loch Ailort (Polnish) ..... | 9·69 | 7·02 | 4·13 | 5·28 | 1·14 | 6·61 | 8·32 | 5·95 | 6·51 | ·80 | 6·70 | 7·88 | 70·03 |
| ,, ..17 | Onich ..... | 12·05 | 6·89 | 6·02 | 4·93 | 1·37 | 6·53 | 7·52 | 6·39 | 9·15 | ·56 | 6·37 | 7·56 | 75·34 |

## Table 8c Monthly Rainfall—SCOTLAND (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apl. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| nverness-shire ..17 | Fort William (Teviot) | 12·44 | 7·12 | 4 47 | 3 77 | 1·42 | 6·72 | 8·16 | 6·44 | 9·53 | ·74 | 5·78 | 7·90 | 74·51 |
| ,, ..18 | Isle of Eigg | 7·75 | 5·46 | 3·75 | 3·99 | 1·08 | 5·19 | 8·15 | 5·41 | 6·55 | 1·01 | 6·45 | 5·80 | 60·59 |
| ,, ..18 | Skye (Grula) | 9·92 | 6·97 | 7·52 | 5·47 | 1·69 | 8·12 | 10·51 | 6·58 | 8·95 | 1·42 | 10·90 | 11·14 | 89·19 |
| ,, ..18 | Skye (Portree) | 8·51 | 5·83 | 3·84 | 4·91 | 1·30 | 6·75 | 8·01 | 4·94 | 9·44 | 1·32 | 8·84 | 8·23 | 71·92 |
| ,, ..18 | Skye (Duntulm, Kilmuir) | 7·77 | 5·05 | 2·76 | 3·10 | 1·62 | 5·76 | 7·72 | 4·54 | 7·60 | ·92 | 8·67 | 5·29 | 60·80 |
| ,, ..19 | Vatersay Schoolhouse | 6·54 | 4·26 | 2·35 | 1·88 | ·93 | 4·00 | 4·08 | 4·06 | 5·98 | ·71 | 5·03 | 4·53 | 44·35 |
| ,, ..19 | Benbecula (Airfield) | 6·89 | 3·79 | 2·11 | 1·90 | ·83 | 4·80 | 3·35 | 3·23 | (6·50) | ·72 | 5·54 | 5·72 | 45·38 |
| ,, ..19 | North Harris (Amhuinsuidh Castle) | 5·71 | 6·87 | 3·73 | 4·01 | 1·07 | 5·30 | 5·90 | 3·68 | 7·63 | 1·10 | 6·49 | 7·64 | 59·13 |
| Ross and Cromarty .....3 | Fortrose | 1·27 | 2·38 | 1·06 | ·68 | 1·66 | 2·64 | 5 42 | 2·23 | 2·85 | ·42 | 3·07 | ·91 | 24·59 |
| ,, .....4 | Muir of Ord (Fairburn) | 4·36 | 4·77 | 1·98 | 1·88 | 1·80 | 3·66 | 4·82 | 3·16 | 4·85 | ·50 | 3·11 | 2·52 | 37·41 |
| ,, .....7 | Inverbroom (Glackour) | 5·65 | 7·36 | 2·38 | 5·20 | ·75 | 4·03 | 8·11 | 3·69 | 7·20 | 1·28 | 6·02 | 5·49 | 57·16 |
| ,, .....7 | Ullapool | 2·99 | 4·65 | 1·56 | 3·53 | ·54 | 3·96 | 7·10 | 3·57 | 4·48 | 1·00 | 4·06 | 3·50 | 40·94 |
| ,, .....9 | Loch Carron (Dunhulladale) | 7·54 | 7·50 | 2·44 | 6·07 | 1·36 | 5·78 | 9·34 | 5·56 | 5·93 | 1·21 | 6·14 | 6·73 | 65·60 |
| ,, .....9 | Applecross Gardens | 6·78 | 5·95 | 3·67 | 3·79 | 1·42 | 5·96 | 7·74 | 4·11 | 5·58 | ·65 | 6·12 | 5·45 | 57·22 |
| ,, .....9 | Achnashellach | 9·18 | 8·90 | 4·19 | 7·50 | 1·67 | 7·44 | 9·51 | 5·71 | 9·17 | 1·24 | 5·53 | 7·87 | 77·91 |
| ,, ...10 | Stornoway Airfield | 4·34 | 4·20 | 2·26 | 2·47 | 1·01 | 3·81 | 4·50 | 3·17 | 6·28 | ·76 | 5·41 | 4·19 | 42·40 |
| Sutherland ..... 1 | Lairg | 2·67 | 5·72 | 1·83 | 2·10 | 1·24 | 3·24 | 5·71 | 4·23 | 4·96 | ·72 | 6·28 | 3·66 | 42·36 |
| ,, ...3 | Kinbrace (Auchintoul) | 1·84 | 5·06 | 2·14 | 2·36 | 1·31 | 2·79 | 4·31 | 2·63 | 3·51 | ·49 | 7·01 | 3·02 | 36·47 |
| ,, .....4 | Skerry (Borgie) | 4·29 | 4·96 | 1·42 | 2·81 | 1·74 | 3·09 | 4·60 | 3·90 | 7·58 | ·69 | 3·99 | 3·01 | 42·08 |
| ,, .....5 | Cape Wrath | 3·67 | 4·30 | 2·71 | 3·06 | (·75) | 2·95 | 6·31 | 3·98 | 6·43 | ·74 | 4·96 | 4·07 | 43·93 |
| ,, .....5 | Loch More (Achfary) | 7·11 | 11·17 | 3·92 | 11·46 | 1·73 | 5·14 | 9·28 | 8·47 | 9·88 | 1·42 | 7·81 | 6·56 | 83·95 |
| ,, .....5 | Lochinver (Bank House) | 3·44 | 6·28 | 1·76 | 4·50 | 1·42 | 3·83 | 8·68 | 4·45 | 5·56 | ·96 | 4·44 | 4·62 | 49·94 |
| Caithness .....1 | Berridale (Langwell) | 1·12 | 4·80 | 1·78 | 1·15 | 1·94 | 2·50 | 3·42 | 1·33 | 3·15 | ·41 | 4·37 | 1·53 | 27·50 |
| ,, ...2 | Wick | 1·34 | 3·26 | 1·61 | 1·24 | 1·40 | 2·73 | 3·46 | 1·98 | 2·15 | ·38 | 4·21 | 1·90 | 25·66 |
| Caithness .....3 | Thurso (Buckies) | 1·73 | 4·74 | 2·69 | 2·12 | 1·20 | 2·37 | 4·52 | 2·55 | 2·60 | ·66 | 5·20 | 2·31 | 32·69 |
| Orkney ..... | Stenness | 3·08 | 3·99 | 3·25 | 2·34 | 1·23 | 3·09 | 3·41 | 2·63 | 4·73 | ·74 | 6·04 | 4·42 | 38·95 |
| Shetland ..... | Lerwick Observatory | 4·73 | 3·70 | 3 27 | 3·54 | 1·03 | 4·27 | 3·56 | 4·46 | 4·05 | 1·15 | 5·82 | 5·91 | 45·49 |
| ,, ..... | Baltasound (Halligarth) | 4·57 | 5·66 | 2·81 | 3·43 | 1·11 | 4·94 | 3·04 | 5·63 | 5·29 | 1·28 | 5·62 | 5·19 | 48·57 |

## Table 8c Monthly Rainfall—NORTHERN IRELAND (*concluded*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apl. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Co. Fermanagh ..1 | Newtownbutler (Crom Castle) ..... | 5·31 | 3·11 | 1·05 | 1·45 | 1·44 | 3·04 | 3·94 | 4·65 | 5·63 | 1·38 | 4 15 | 4·35 | 39·50 |
| ,, ..1 | Belleek (Roscor) ..... | 4·83 | 4·18 | 2·14 | 1·18 | 1·40 | 4·93 | 3·96 | 5·82 | 7·86 | 1·51 | 5·36 | 6·13 | 49·30 |
| ,, .1 | Belleek (Heronshaw) ..... | 5·07 | 4·89 | 2·00 | 1·51 | 1·23 | 5·55 | 4·62 | 5·19 | 7·47 | 1·77 | 5·20 | 6·84 | 51·34 |
| Co. Armagh .....4 | Markethill (Whitecross) ..... | 5·49 | 2·47 | 2·31 | 1·52 | 2·03 | 3·08 | 3·43 | 4·55 | 8·43 | 1·53 | 5·74 | 6·44 | 47·02 |
| ,, .....5 | Armagh (Observatory) ..... ..... | 4·25 | 2·11 | 1·07 | ·85 | ·87 | 3·06 | 3·13 | 4·69 | 5·65 | 1·19 | 4·20 | 3·82 | 34·89 |
| Co. Down .....1 | Newry (Bridge Street House) ..... | 5·23 | 1·97 | 1·62 | ·73 | 1·74 | 2·49 | 2·64 | 3·88 | 7·03 | 1·36 | 5·49 | 5·42 | 39·60 |
| ,, .....2 | Silent Valley (Belfast W.W.) ..... | 5·22 | 2·51 | 4·33 | 1·05 | 1·56 | 4·76 | 3·46 | 5·90 | 10·13 | 1·61 | 8·99 | 5 76 | 55 28 |
| ,, .....2 | Seaforde ..... | 5·41 | 2·43 | 1·90 | ·83 | 1·49 | 4·88 | 2·89 | 4·88 | 6·53 | 1·18 | 5·73 | 4·62 | 42·77 |
| Co. Antrim .....1 | Belfast (Queen's University) ..... | 3·94 | 2·98 | 2·49 | ·62 | 1·36 | 2·16 | 2·73 | 5·24 | 6·30 | 1·50 | 4·60 | 4·16 | 38·08 |
| ,, .....1 | Carrickfergus (Copeland) ..... | 5·01 | 3·40 | 2·09 | ·96 | 1·31 | 3·97 | 3·24 | 4·67 | 6·55 | 1·37 | 5·38 | 3·64 | 41·59 |
| ,, .....2 | Larne (Sallagh Springs) ..... | 5·88 | 3·73 | 2·26 | ·96 | 1·27 | 4·48 | 3·80 | 5·04 | 8·39 | 1·77 | 6·70 | 4·70 | 48·98 |
| ,, .....3 | Ballycastle (Coolgreany) ..... | 4·91 | 3·15 | 1·14 | 1·71 | ·71 | 2·18 | 4·49 | 3·85 | 4·91 | 1·15 | 3·21 | 4·63 | 36·04 |
| ,, .....5 | Aldergrove (Airfield) ..... | 4·66 | 2·10 | 1·79 | ·91 | 1·41 | 3·31 | 3·92 | 4·27 | 5·47 | ·76 | 3·53 | 3·71 | 35 84 |
| ,, .....5 | Ballymena (Harryville) ..... | 6·12 | 3·10 | 1·70 | ·95 | ·82 | 4·11 | 3·74 | 6·42 | 5·95 | 1·07 | 3·94 | 4·54 | 42·46 |
| Co. Londonderry .3 | Garvagh (Moneydig) ..... ..... | 4·79 | 3·81 | 1·67 | 1·10 | 1·29 | 4·51 | 4·80 | 4·85 | 5·76 | 1·46 | 3·73 | 4·25 | 42·02 |
| ,, .3 | Coleraine (Ingledene) ... ..... | 4·20 | 4·02 | 1·01 | 1·05 | ·75 | 3·36 | 4·81 | 4·83 | 5·07 | 1·33 | 3·25 | 3·80 | 37·48 |
| Co. Londonderry .5 | Glenedra Lodge ..... | 6·26 | 4·57 | 2·81 | 1·62 | 1·67 | 5·35 | (5·50) | 9·42 | 9·31 | 2·49 | 5·91 | 7·40 | 62·31 |
| ,, .5 | Londonderry (Creggan Res.) ..... | 4·43 | 4·39 | 1·90 | 1·69 | 1·84 | 5·89 | 4·21 | 5·78 | 6·52 | 1·41 | 3·93 | 5·85 | 47·84 |
| Co. Tyrone.....2 | Castlecaulfield (Parkanaur) . ..... | 4·09 | 2·93 | 1·32 | ·85 | ·67 | 2·76 | 3·29 | 4·58 | 6·97 | 1·34 | 5·48 | 4·74 | 39·02 |
| ,, .. ....3 | Omagh (Edenfel) ..... | 4·50 | 3·49 | 1·25 | ·81 | 1·49 | 3·99 | 4·32 | 6·49 | 7·09 | 1·25 | 4·19 | 5·55 | 44·42 |
| ,, .....3 | Sion Mills (Sion House) ..... | 4·89 | 3·08 | 1·88 | 1·12 | ·99 | 4·85 | 4·29 | 5·60 | 8·87 | 1·34 | 3·93 | 5·60 | 46·44 |

## Table 8D Monthly Rainfall in 1946 ; the Average, 1881-1915, being taken as 100

| County and River Division | Station | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | % | % | % | % | % | % | % | % | % | % | % | % | % |
| London .....2 | St. Pancras (Camden Square) ..... | 83 | 168 | 68 | 98 | 170 | 161 | 92 | 173 | 174 | 58 | 148 | 82 | 121 |
| Kent .... .....1 | Folkestone (Cherry Gardens) ..... | 88 | 183 | 119 | 95 | 219 | 134 | 159 | 206 | 126 | 31 | 138 | 96 | 124 |
| „ ..... 4 | Edenbridge (Falconhurst) ..... | 104 | 143 | 62 | 174 | 133 | 100 | 87 | 217 | 155 | 49 | 169 | 98 | 122 |
| Sussex .....1 | Compton (Compton House) ..... | 128 | 148 | 52 | 135 | 182 | 201 | 86 | 236 | 182 | 24 | 184 | 110 | 134 |
| „ .....3 | Worthing (Beach House Park) ... | 91 | 151 | 51 | 99 | 169 | 130 | 96 | 229 | 147 | 15 | 132 | 106 | 113 |
| Hampshire .....1 | Ventnor (Royal Nat. Hospital)..... | 93 | 156 | 75 | 161 | 188 | 148 | 119 | 184 | 109 | 21 | 138 | 116 | 117 |
| „ .....3 | Fordingbridge (Oaklands) ..... | 110 | 108 | 43 | 145 | 207 | 210 | 48 | 151 | 197 | 41 | 151 | 88 | 117 |
| „ .....8 | Sherborne St. John . ... ..... . | 106 | 145 | 54 | 112 | 147 | 136 | 109 | 166 | 231 | 24 | 220 | 85 | 123 |
| Hertfordshire .. 3 | Royston (Therfield Rectory) ..... | 90 | 117 | 70 | 96 | 118 | 133 | 130 | 132 | 157 | 61 | 193 | 88 | 116 |
| Buckinghamshire ..3 | Slough (Upton) ..... | 84 | 145 | 61 | 123 | 270 | 124 | 116 | 184 | 208 | 57 | 206 | 92 | 135 |
| Oxfordshire .....3 | Oxford (Radcliffe Met. Station) ... | 76 | 135 | 58 | 84 | 165 | 102 | 54 | 159 | 196 | 27 | 196 | 86 | 109 |
| Northamptonshire . 4 | Wellingborough (Swanspool) ..... | 76 | 135 | 70 | 91 | 135 | 127 | 62 | 151 | 180 | 54 | 204 | 94 | 114 |
| Cambridgeshire ....2 | March .... ..... | 59 | 121 | 58 | 62 | 91 | 146 | 136 | 112 | 196 | 48 | 186 | 101 | 111 |
| Essex ..... .....1 | Hatfield Broad Oak (Barrington) .. | 103 | 160 | 84 | 78 | 114 | 105 | 160 | 152 | 165 | 60 | 153 | 82 | 118 |
| „ .....3 | Shoeburyness . ..... . ..... | 66 | 176 | 87 | 140 | 147 | 103 | 138 | 259 | 114 | 45 | 139 | 111 | 125 |
| Suffolk .....3 | Campsea Ashe (High House) ..... | 108 | 109 | 96 | 70 | 102 | 200 | 117 | 222 | 111 | 41 | 156 | 122 | 122 |
| „ .....4 | Lowestoft (Secondary School) ... | 89 | 180 | 80 | 55 | 109 | 160 | 132 | 225 | 190 | 67 | 156 | 131 | 132 |
| „ ... .....5 | Bury St. Edmunds (Westley Hall) .. | 78 | 126 | 86 | 65 | 99 | 164 | 386 | 195 | 172 | 68 | 164 | 102 | 149 |
| Norfolk.....3 | Sandringham House Gardens ..... | 111 | 205 | 48 | 74 | 108 | 149 | 149 | 130 | 154 | 87 | 203 | 109 | 128 |
| Wiltshire . .....3 | Bishops Cannings . ..... | 100 | 138 | 43 | 111 | 214 | 109 | 37 | 147 | 197 | 42 | 162 | 75 | 111 |
| Dorsetshire. .....3 | Creech Grange ..... ..... | 148 | 112 | 52 | 136 | 179 | 181 | 61 | 145 | 182 | 35 | 144 | 99 | 116 |
| „ .....3 | Beaminster (East Street) ..... | 127 | 108 | 53 | 81 | 208 | 186 | 40 | 180 | 242 | 30 | 209 | 120 | 127 |
| South Devonshire ..5 | Teignmouth (Den Gardens) ..... | 114 | 101 | 57 | 90 | 286 | 123 | 61 | 161 | 238 | 59 | 197 | 103 | 125 |
| „ .6 | Cullompton ..... | 127 | 127 | 60 | 103 | 215 | 269 | 58 | 153 | 214 | 38 | 186 | 101 | 129 |
| North Devonshire ..2 | Barnstaple (N. Dev. Athenaeum)... | 101 | 109 | 27 | 103 | 177 | 175 | 111 | 160 | 163 | 33 | 129 | 97 | 110 |
| „ ..3 | Okehampton (Uplands) ..... | 130 | 146 | 73 | 117 | 248 | 147 | 77 | 151 | 262 | 47 | 211 | 97 | 134 |
| Cornwall.....1 | Bude School House ..... | 110 | 112 | 41 | 92 | 157 | 179 | 97 | 154 | 189 | 51 | 129 | 84 | 110 |
| „ .....2 | Penzance (Morrab Gardens)..... | 166 | 117 | 74 | 56 | 182 | 122 | 90 | 153 | 190 | 71 | 150 | 107 | 121 |
| „ . .. .....2 | St. Austell (Trevarna)..... | 135 | 115 | 93 | 63 | 215 | 135 | 82 | 172 | 216 | 78 | 140 | 108 | 125 |
| „ . ... .. ..4 | Tresco Abbey ..... | 122 | 125 | 79 | 57 | 249 | 120 | 123 | 179 | 136 | 77 | 134 | 114 | 121 |
| Gloucestershire .....7 | Cirencester ..... ..... | 115 | 116 | 49 | 113 | 187 | 140 | 52 | 230 | 178 | 13 | 192 | 68 | 119 |
| Herefordshire.....1 | Vowchurch (Ladywell House)..... | 126 | 101 | 42 | 102 | 153 | 77 | 71 | 216 | 207 | 37 | 246 | 65 | 118 |
| Shropshire .....3 | Church Stretton (Woolstaston) .... | 198 | 160 | 57 | 83 | 130 | 138 | 120 | 221 | 242 | 46 | 212 | 110 | 141 |
| „ .....4 | Cheswardine Hall ..... | 124 | 236 | 49 | 68 | 119 | 111 | 105 | 159 | 222 | 18 | 190 | 95 | 121 |
| Staffordshire .....5 | Leek (Wall Grange P.S.) ..... | 100 | 273 | 36 | 55 | 65 | 162 | 100 | 129 | 190 | 19 | 185 | 118 | 117 |
| Worcestershire .....1 | Malvern (Free Library) ..... | 111 | 91 | 29 | 124 | 119 | 96 | 88 | 189 | 212 | 22 | 174 | 77 | 112 |
| Warwickshire .....1 | Alcester (Ragley Hall) ..... .... | 96 | 98 | 53 | 140 | 128 | 117 | 101 | 184 | 219 | 19 | 229 | 87 | 122 |
| „ .....4 | Birmingham (Edgbaston)..... .. | 138 | 144 | 48 | 148 | 139 | 115 | 78 | 209 | 210 | 18 | 276 | 107 | 134 |

## Table 8D Monthly Rainfall in 1946 ; the Average, 1881-1915, being taken as 100 (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | % | % | % | % | % | % | % | % | % | % | % | % | % |
| Leicestershire .....4 | Thornton Reservoir ..... | 92 | 209 | 59 | 109 | 110 | 114 | 80 | 205 | 229 | 44 | 234 | 95 | 129 |
| Lincolnshire .....3 | Boston (Black Sluice, Skirbeck) ... | 67 | 131 | 63 | 83 | 71 | 145 | 82 | 131 | 159 | 102 | 225 | 116 | 119 |
| ,, .....4 | Skegness (Marine Gardens)..... | 92 | 123 | 43 | 51 | 88 | 134 | 145 | 150 | 203 | 88 | 185 | 79 | 118 |
| Nottinghamshire ...5 | Mansfield (Carr Bank) .. ..... | 93 | 122 | 55 | 66 | 108 | 112 | 99 | 178 | 177 | 45 | 230 | 110 | 116 |
| Cheshire .....3 | Birkenhead (Bidston Obsy.) ..... | 156 | 238 | 42 | 58 | 105 | 153 | 91 | 166 | 140 | 18 | 153 | 100 | 116 |
| S. Lancashire ..... 3 | Manchester (Whitworth Park) ..... | 165 | 274 | 35 | 67 | 50 | 111 | 137 | 123 | 195 | 19 | 189 | 94 | 118 |
| C. ,, .....1 | Stonyhurst College ..... | 113 | 190 | 27 | 52 | 44 | 97 | 147 | 155 | 188 | 28 | 151 | 96 | 110 |
| N. ,, .....1 | Ulverston (Poaka Beck) ..... | 158 | 107 | 48 | 69 | 46 | 121 | 115 | 109 | 201 | 14 | 159 | 123 | 108 |
| N. ,, .....5 | Blackpool (Stanley Park) ..... | 156 | 163 | 41 | 64 | 87 | 114 | 155 | 106 | 169 | 15 | 143 | 121 | 111 |
| Yorkshire, W.R. ...8 | Wakefield (Clarence Park). ..... | 104 | 190 | 76 | 99 | 124 | 99 | 131 | 147 | 243 | 38 | 198 | 96 | 124 |
| ,, E.R.....3 | Hull (Pearson Park) ..... | 114 | 141 | 81 | 114 | 79 | 113 | 142 | 141 | 241 | 57 | 231 | 99 | 127 |
| ,, N.R. ....2 | Felixkirk (Mount St. John) ..... | 98 | 57 | 67 | 125 | 113 | 96 | 128 | 137 | 192 | 23 | 179 | 112 | 110 |
| ,, ,, ....3 | York Museum ..... | 121 | 129 | 53 | 114 | 83 | 117 | 113 | 140 | 263 | 25 | 258 | 97 | 122 |
| ,, ,, ....5 | Scarborough ..... ..... | 73 | 119 | 54 | 117 | 74 | 149 | 142 | 110 | 236 | 31 | 160 | 119 | 112 |
| ,, ,, ....6 | Middlesbrough (Albert Park) ..... | 69 | 33 | 68 | 144 | 87 | 102 | 161 | 104 | 146 | 43 | 165 | 105 | 103 |
| Northumberland ...3 | Newcastle (Leazes Park) ..... | 73 | 23 | 69 | 85 | 88 | 99 | 154 | 113 | 179 | 26 | 178 | 95 | 100 |
| ,, ...4 | Bellingham (High Green) ..... | 91 | 53 | 68 | 31 | 84 | 139 | 111 | 140 | 187 | 18 | 162 | 77 | 96 |
| ,, ...6 | Ilderton (Lilburn Tower Gdns.) ... | 66 | 36 | 61 | 32 | 64 | 84 | 140 | 210 | 96 | 44 | 151 | 84 | 92 |
| Cumberland .....1 | Geltsdale ..... ..... | 111 | 86 | 59 | 81 | 60 | 147 | 165 | 146 | 200 | 29 | 152 | 83 | 111 |
| ,, .....2 | Keswick (High Hill) ..... | 161 | 95 | 75 | 57 | 40 | 151 | 141 | 159 | 210 | 12 | 200 | 116 | 120 |
| ,, .....3 | Ravenglass (The Grove) ..... | 151 | 84 | 58 | 80 | 59 | 136 | 105 | 97 | 200 | 20 | 159 | 155 | 110 |
| Westmorland .. ..1 | Appleby (Castle Bank) ..... | 115 | 81 | 63 | 63 | 80 | 103 | 138 | 136 | 182 | 21 | 184 | 98 | 107 |
| Monmouthshire.....3 | Abergavenny (Larchfield) ..... | 116 | 74 | 32 | 71 | 184 | 82 | 82 | 220 | 223 | 34 | 239 | 101 | 119 |
| Glamorganshire.....3 | Ystalyfera (Wern House) ..... | 150 | 110 | 42 | 49 | 101 | 215 | 110 | 188 | 271 | 29 | 218 | 88 | 128 |
| ,, .....7 | Cardiff (Penylan)..... ..... | 125 | 81 | 45 | 82 | 194 | 170 | 75 | 188 | 192 | 25 | 169 | 93 | 117 |
| Carmarthen .....2 | Llanddeusant (Pontcrynfe) ..... | 152 | 108 | 41 | 64 | 90 | 145 | 70 | 165 | 244 | 37 | 212 | 120 | 121 |
| Pembroke .....4 | St. Anne's Head ..... | 130 | 61 | 74 | 50 | 206 | 163 | 53 | 138 | 158 | 64 | 136 | 91 | 107 |
| Cardigan.....2 | Aberystwyth (Corporation Yard) .. | 113 | 131 | 30 | 49 | 109 | 128 | 96 | 159 | 181 | 31 | 122 | 84 | 102 |
| Radnorshire .....1 | Birmingham W.W. (Tyrmynydd)... | 123 | 198 | 31 | 56 | 114 | 136 | 82 | 143 | 253 | 43 | 186 | 101 | 122 |
| Montgomeryshire ...5 | Lake Vyrnwy (Fawnog) ..... | 178 | 247 | 55 | 44 | 80 | 209 | 76 | 166 | 214 | 43 | 191 | 114 | 135 |
| Merionethshire .....3 | Blaenau Festiniog (Oakeley Q.) .... | 174 | 200 | 61 | 65 | 49 | 198 | 112 | 100 | 268 | 18 | 128 | 112 | 123 |
| Carnarvonshire .....2 | Llandudno (Cricket Ground) ..... | 163 | 187 | 51 | 66 | 138 | 146 | 93 | 124 | 192 | 16 | 95 | 125 | 112 |
| Anglesey ..... | Llanerchymedd (Llwydiarth Esgob.) | 176 | 145 | 72 | 57 | 93 | 129 | 95 | 113 | 185 | 24 | 164 | 140 | 116 |
| Isle of Man ..... | Douglas (Borough Cemetery) ..... | 155 | 124 | 61 | 49 | 55 | 174 | 60 | 128 | 200 | 12 | 173 | 111 | 110 |
| Wigtownshire.....3 | Port William (Monreith) ..... | 186 | 79 | 105 | 46 | 57 | 99 | 101 | 106 | 204 | 17 | 167 | 106 | 108 |
| Dumfries .....3 | Dumfries (Crichton Royal Inst.) ... | 147 | 59 | 132 | 38 | 43 | 134 | 94 | 112 | 236 | 20 | 201 | 114 | 111 |
| ,, .....5 | Eskdalemuir Observatory ..... | 141 | 79 | 107 | 58 | 41 | 203 | 112 | 121 | 256 | 17 | 186 | 93 | 116 |
| Roxburgh.. .....3 | Kelso (Floors) ..... | 87 | 49 | 65 | 31 | 82 | 74 | 99 | 157 | 135 | 27 | 189 | 69 | 92 |

## Table 8D Monthly Rainfall in 1946 ; the Average, 1881-1915, being taken as 100 (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Tota |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Peeblesshire .....2 | Stobo Castle ..... | 108 | 73 | 71 | 48 | 43 | 109 | 123 | 120 | 188 | 16 | 191 | 94 | 100 |
| Berwickshire .....4 | Marchmont House ..... | 86 | 40 | 83 | 21 | 57 | 62 | 83 | 120 | 159 | 22 | 179 | 68 | 83 |
| East Lothian ... ...5 | North Berwick Reservoir..... | 88 | 78 | 116 | 20 | 88 | 206 | 92 | 107 | 140 | 24 | 197 | 85 | 102 |
| Midlothian .....5 | Edinburgh (Blackford Hill) ..... | 103 | 95 | 78 | 27 | 92 | 83 | 108 | 112 | 147 | 31 | 147 | 80 | 93 |
| Lanarkshire .....5 | Hamilton W.W. (Townhill) ..... | 138 | 92 | 83 | 81 | 53 | 117 | 113 | 66 | 226 | 15 | 125 | 90 | 99 |
| Ayrshire .....8 | Colmonell (Knockdolian) ..... | 170 | 73 | 46 | 42 | 19 | 68 | 121 | 71 | 164 | 11 | 130 | 98 | 89 |
| ,, .....13 | Glen Afton (Ayr Sanatorium) ..... | 154 | 77 | 84 | 69 | 42 | 105 | 112 | 76 | 215 | 11 | 182 | 91 | 100 |
| Renfrewshire .....3 | Greenock (Prospect Hill) ..... | 156 | 77 | 63 | 69 | 45 | 125 | 104 | 49 | 167 | 11 | 109 | 106 | 92 |
| Buteshire .....1 | Rothesay (Ardencraig) ..... | 165 | 110 | 77 | 92 | 32 | 124 | 99 | 83 | 192 | 14 | 132 | 113 | 105 |
| Argyllshire .....2 | Loch Sunart (Glenborrodale) ..... | 150 | 106 | 58 | 104 | 32 | 145 | 173 | 117 | 107 | 13 | 75 | 89 | 96 |
| ,, .....8 | Lochgilphead (Poltalloch) ..... | 149 | 114 | 64 | 85 | 29 | 105 | 145 | 83 | 152 | 8 | 100 | 94 | 96 |
| ,, .. ....11 | Inveraray Castle Gardens ..... | 153 | 98 | 77 | 62 | 43 | 182 | 115 | 107 | 160 | 9 | 89 | 98 | 99 |
| ,, .....14 | Islay (Eallabus) ..... | 163 | 82 | 78 | 76 | 17 | 148 | 151 | 98 | 143 | 21 | 91 | 116 | 100 |
| ,, .....14 | Tiree ..... | 203 | 102 | 101 | 64 | 22 | 160 | 105 | 110 | 117 | 13 | 80 | 99 | 99 |
| Kinross-shire .....2 | Loch Leven Sluice ..... | 119 | 61 | 94 | 36 | 73 | 137 | 141 | 106 | 201 | 8 | 178 | 94 | 105 |
| Fife .....3 | Leuchars Airfield ..... | 81 | 55 | 98 | 18 | 93 | 121 | 91 | 100 | 132 | 23 | 248 | 91 | 97 |
| Perthshire .....1 | Loch Dhu..... | 150 | 87 | 71 | 45 | 43 | 151 | 113 | 82 | 188 | 9 | 137 | 98 | 100 |
| ,, .....7 | Crieff (Strathearn Hydro) ..... | 123 | 57 | 71 | 23 | 69 | 153 | 124 | 102 | 236 | 25 | 149 | 114 | 105 |
| ,, .....14 | Blair Atholl (Blair Castle Gardens) | 125 | 120 | 41 | 24 | 91 | 124 | 143 | 99 | 173 | 10 | 144 | 104 | 101 |
| Angus ..... 4 | Montrose (Sunnyside Asylum)..... | 67 | 52 | 79 | 13 | 65 | 201 | 154 | 96 | 163 | 18 | 244 | 131 | 109 |
| Aberdeenshire .....1 | Balmoral Castle Gardens ..... | 99 | 77 | 46 | 29 | 95 | 146 | 178 | 170 | 190 | 7 | 157 | 85 | 105 |
| ,, ... ..2 | Aberdeen Observatory ..... | 51 | 69 | 60 | 20 | 118 | 148 | 146 | 109 | 167 | 17 | 203 | 89 | 101 |
| ,, .....3 | Fyvie Castle ..... | 52 | 131 | 95 | 39 | 124 | 117 | 144 | 52 | 131 | 12 | 197 | 93 | 99 |
| Morayshire.....2 | Fochabers (Gordon Castle) ..... | 28 | 118 | 53 | 91 | 87 | 103 | 155 | 157 | 145 | 9 | 128 | 64 | 97 |
| Nairnshire .....2 | Nairn (Achareidh) ..... | 48 | 96 | 42 | 64 | 91 | 143 | 202 | 127 | 166 | 10 | 128 | 37 | 100 |
| Inverness-shire .....3 | Glenshero ..... | 117 | 131 | 65 | 78 | 51 | 160 | 201 | 61 | 176 | 19 | 76 | 87 | 99 |
| ,, .....6 | Loch Ness (Foyers) ..... | 91 | 116 | 47 | 73 | 70 | 153 | 168 | 77 | 187 | 12 | 70 | 63 | 91 |
| ,, .....7 | Loch Quoich (Glenquoich) ..... | 112 | 108 | 54 | 102 | 17 | 193 | 200 | 57 | 153 | 12 | 85 | 72 | 92 |
| ,, ....17 | Onich ..... | 138 | 101 | 91 | 110 | 35 | 169 | 145 | 95 | 146 | 9 | 75 | 77 | 97 |
| ,, ....17 | Fort William (Teviot)..... | 128 | 95 | 67 | 84 | 36 | 189 | 167 | 103 | 142 | 10 | 70 | 77 | 94 |
| ,, ....18 | Skye (Duntulm, Kilmuir) ..... | 147 | 110 | 63 | 95 | 57 | 222 | 206 | 102 | 165 | 17 | 145 | 85 | 114 |
| Ross and Cromarty 7 | Ullapool ..... | 67 | 112 | 39 | 117 | 22 | 174 | 231 | 104 | 123 | 21 | 79 | 57 | 88 |
| ,, 9 | Applecross Gardens ..... | 124 | 118 | 79 | 111 | 44 | 208 | 193 | 87 | 112 | 11 | 94 | 85 | 100 |
| ,, 9 | Achnashellach ..... | 101 | 130 | 62 | 140 | 39 | 198 | 195 | 90 | 133 | 16 | 64 | 83 | 98 |
| ,, 10 | Stornoway Airfield ..... | 88 | 99 | 58 | 86 | 42 | 173 | 156 | 84 | 167 | 15 | 98 | 71 | 90 |
| Sutherlandshire ... 1 | Lairg ..... | 81 | 185 | 59 | 91 | 49 | 155 | 182 | 133 | 175 | 19 | 157 | 91 | 114 |
| ,, ....5 | Loch More (Achfary) ..... | 98 | 169 | 61 | 236 | 39 | 139 | 173 | 145 | 172 | 18 | 91 | 71 | 111 |
| Caithness .....2 | Wick Airfield ..... | 55 | 144 | 71 | 62 | 68 | 152 | 132 | 72 | 86 | 13 | 134 | 62 | 86 |

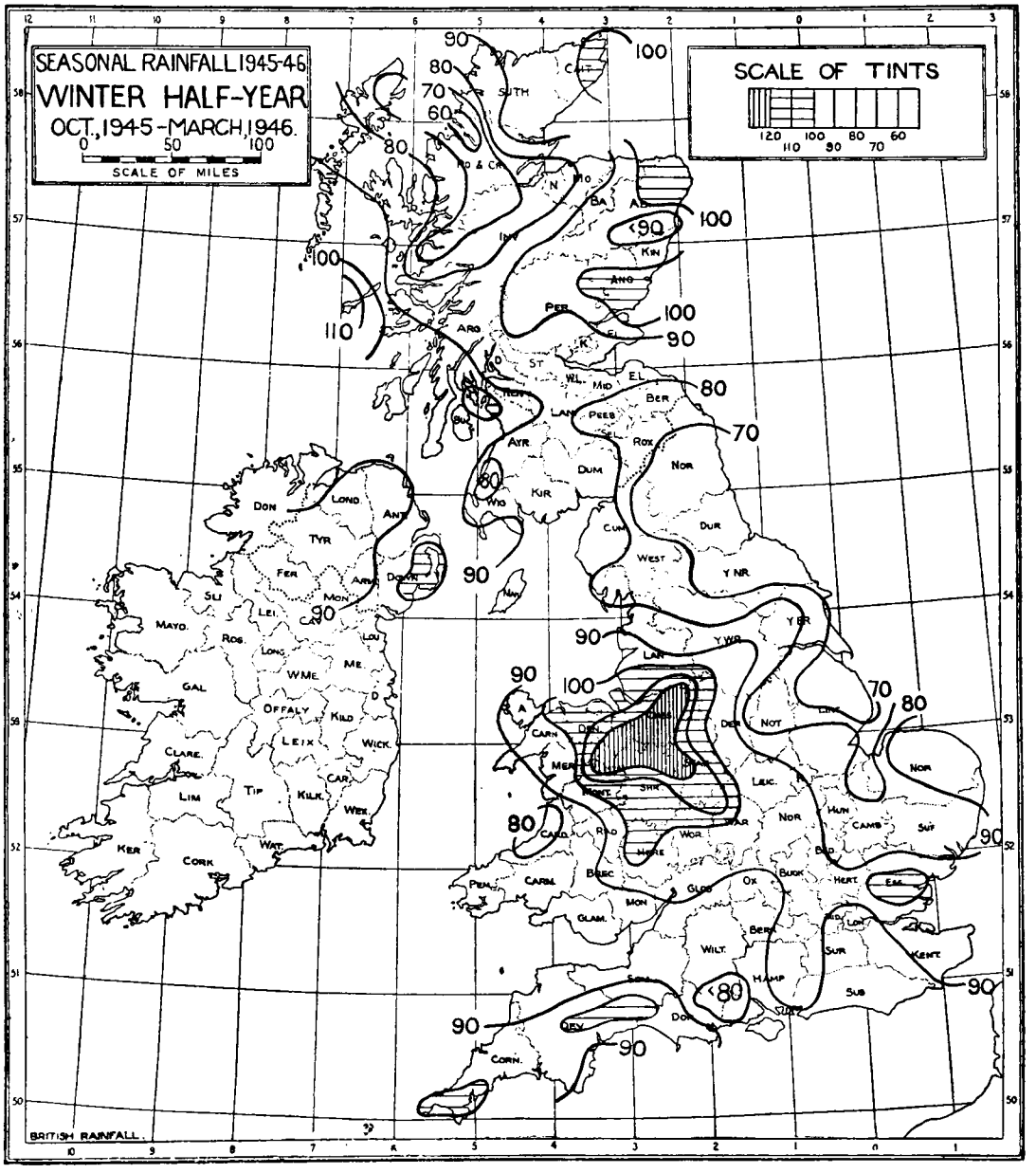
## Table 8D Monthly Rainfall in 1946 ; the Average, 1881-1915, being taken as 100 (*concluded*)

| County and River Division | Station | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | % | % | % | % | % | % | % | % | % | % | % | % | % |
| Shetland ..... | Lerwick Observatory ..... | 111 | 117 | 103 | 155 | 49 | 239 | 155 | 148 | 135 | 29 | 137 | 123 | 119 |
| Co. Fermanagh ....1 | Newtownbutler (Crom Castle) ..... | 159 | 106 | 32 | 57 | 52 | 112 | 113 | 112 | 202 | 42 | 119 | 105 | 102 |
| Co. Armagh .....5 | Armagh Observatory ..... | 169 | 95 | 46 | 40 | 37 | 121 | 108 | 130 | 230 | 44 | 148 | 122 | 110 |
| Co. Down .....2 | Seaforde ..... | 172 | 80 | 65 | 32 | 57 | 177 | 91 | 130 | 237 | 33 | 151 | 112 | 112 |
| Co. Antrim .....5 | Aldergrove Airfield ..... | 170 | 87 | 71 | 43 | 62 | 137 | 140 | 119 | 221 | 25 | 109 | 108 | 109 |
| ,, .....5 | Ballymena (Harryville) ..... | 165 | 96 | 54 | 36 | 29 | 141 | 109 | 150 | 191 | 29 | 97 | 102 | 102 |
| Co. Londonderry ...3 | Garvagh (Moneydig) ..... | 139 | 122 | 54 | 45 | 50 | 178 | 148 | 124 | 194 | 41 | 95 | 106 | 108 |
| ,, ...5 | Londonderry (Creggan Res.) ..... | 123 | 138 | 59 | 66 | 70 | 209 | 115 | 125 | 198 | 38 | 96 | 134 | 115 |
| Co. Tyrone.....3 | Omagh (Edenfel) ..... | 127 | 117 | 40 | 31 | 58 | 141 | 127 | 152 | 232 | 34 | 110 | 131 | 111 |
| **England** ..... | (general mean* 60 Stations) ..... | **109** | **134** | **60** | **93** | **133** | **134** | **113** | **165** | **188** | **40** | **180** | **100** | ‡‡ .. |
| **Wales** ..... | ( ,, ,, 11 ,, ) ..... | **145** | **140** | **49** | **59** | **123** | **156** | **86** | **155** | **216** | **33** | **169** | **106** | .. |
| **England and Wales** .. | ( ,, ,, 71 ,, ) ..... | **115** | **135** | **58** | **88** | **132** | **138** | **108** | **163** | **193** | **39** | **178** | **101** | .. |
| **Scotland** ..... .... | ( ,, ,, 43 ,, ) ..... | **115** | **96** | **73** | **69** | **56** | **147** | **143** | **102** | **165** | **16** | **136** | **89** | .. |
| **Northern Ireland** .... | ( ,, ,, 8 ,, ) ..... | **153** | **105** | **53** | **44** | **52** | **152** | **119** | **130** | **213** | **36** | **116** | **115** | .. |

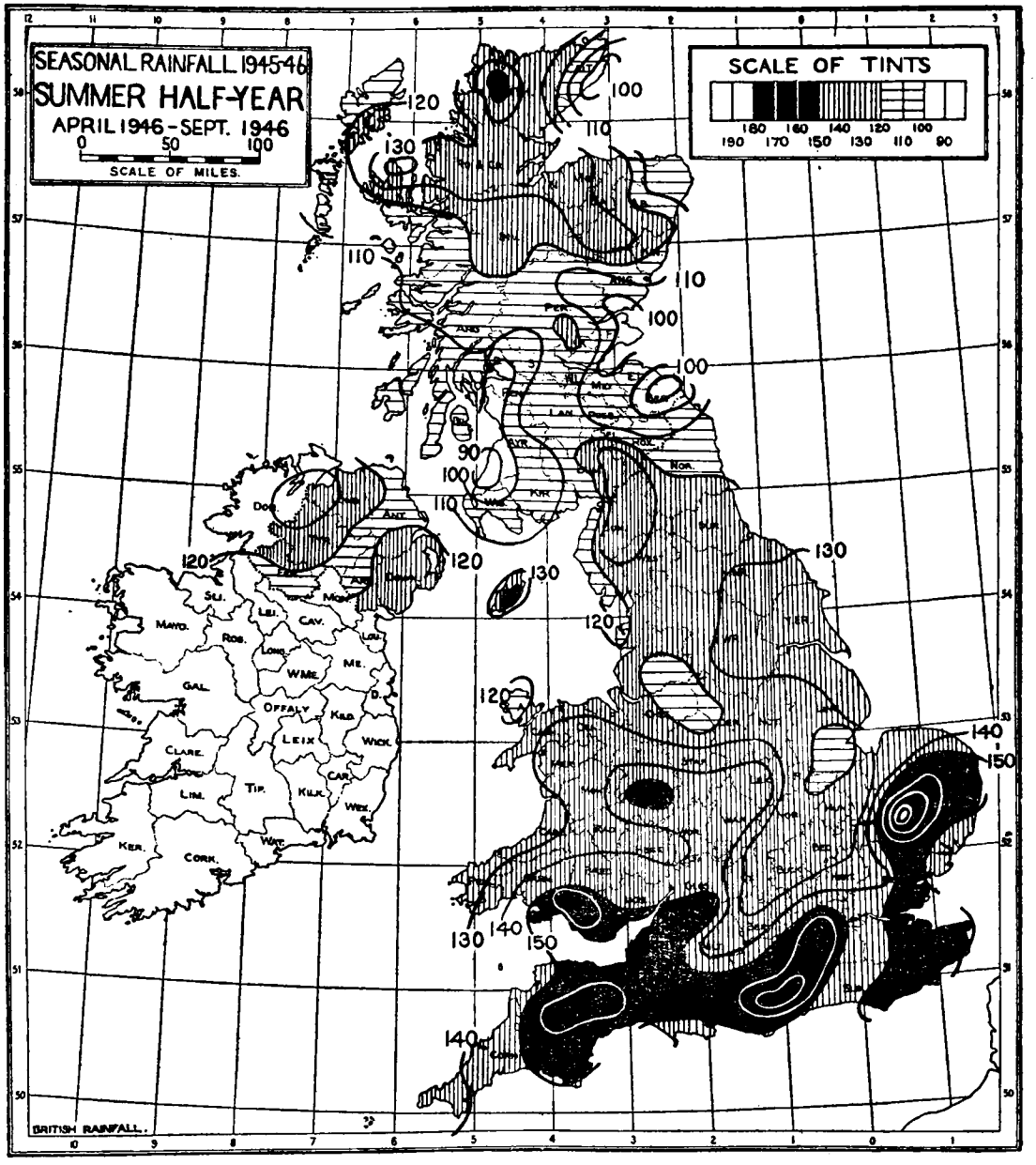
* The ' general ' values given in the last five rows are obtained by taking the means of the percentage values for the stations. ‡ See Table 10A.

# 9. Seasonal Rainfall 1945-46

THERE are definite advantages in considering the rainfall of the winter and summer separately. One defect of the calendar year as a unit of time for rainfall purposes is that part of a winter is included in one calendar year and the other part in another year. Winter rainfall has a special economic importance, for, except in the wettest areas, the summer rainfall is, for the most part, lost by evaporation or absorbed by vegetation.




**Rainfall, Winter Half-year, as per cent. of average**



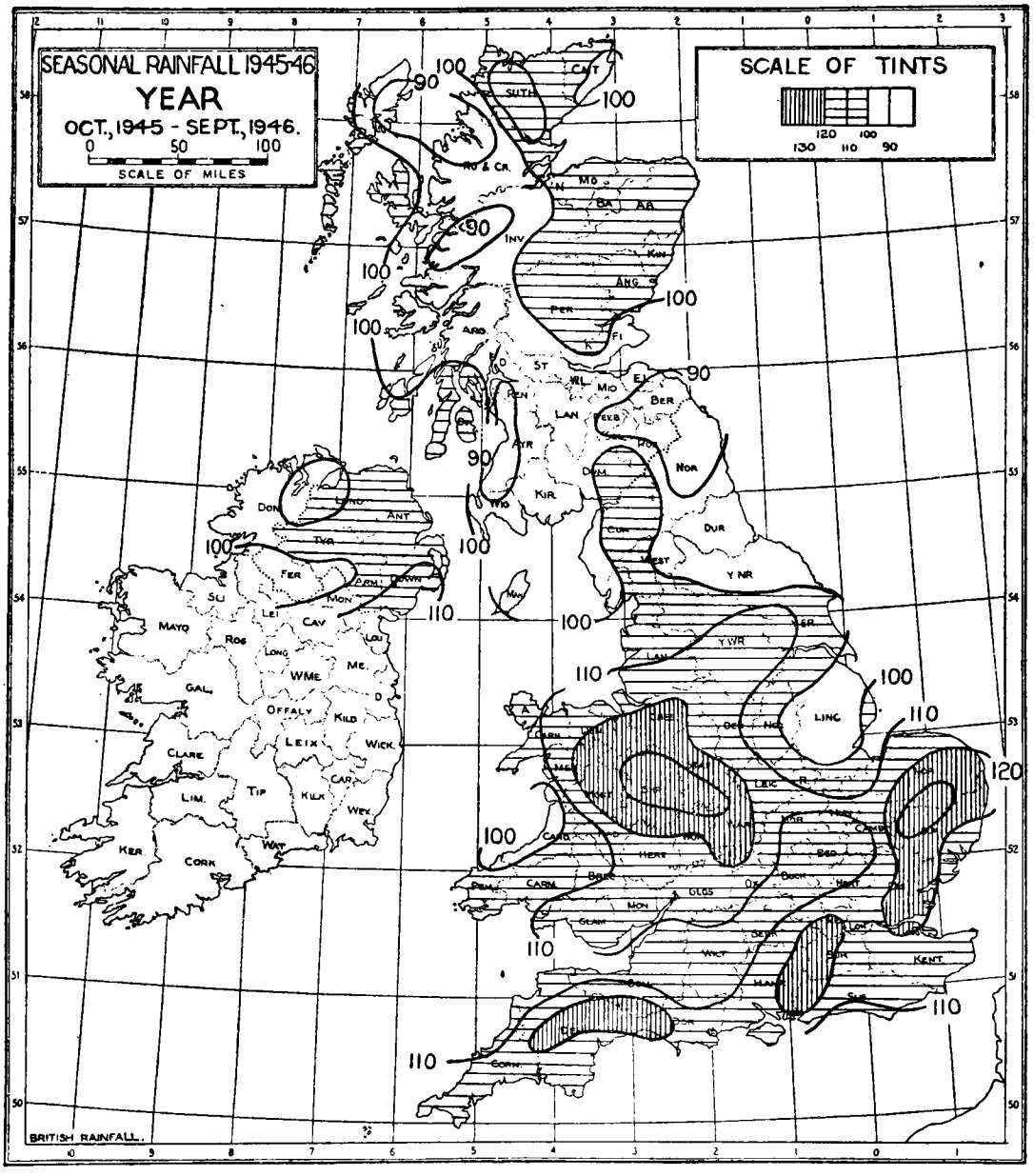

**Rainfall, Summer Half-year, as per cent. of average**

In this section the rainfall of the winter season, 1st October 1945 to 31st March 1946 and of the summer season, 1st April 1946 to 30th September 1946, is dealt with, as well as the rainfall of the whole seasonal year, 1st October 1945 to 30th September 1946. It is usual to associate a summer season with the preceding rather than with the following winter season, since the water required in summer for replenishing streams and for the needs of animal and vegetable life is derived, in part, from that which has been naturally stored during the previous winter season. One section of *British Rainfall* has been devoted to this subject since the volume for 1908, and three maps and Table 9A, similar to those introduced in that volume, are now reproduced.

Table 9A contains rainfall values for each of these two seasons as percentages of the average fall for the season at the station. The table

gives, in the fourth column, the corresponding percentages for each station for the whole of the seasonal year. These last figures are not always the mean of the percentages for the two seasons, but often show a bias towards the winter value rather than that of the summer. This is due to the fact that the average rainfall for the winter, is, in general, greater than that for the summer.

The stations in Table 9A are, as far as possible, the same as those used in earlier volumes. The monthly percentage values for these stations are given in Table 8D and the monthly and annual values in inches are included in Table 8C. Seasonal percentage values for the larger divisions of the country are given in Table 9B. In *British Rainfall*, 1926, p. 125, values are given for the general rainfall over England and Wales and Scotland separately back to 1906–07 and the series is continued in the annual volumes.




**Rainfall, Seasonal Year, as per cent. of average**

## Table 9A Seasonal Rainfall, 1945-46, as a Percentage of the Average, 1881-1915

| Station† | Winter Oct. 1945-Mar. 1946 | Summer Apl. 1946-Sept. 1946 | Year Oct. 1945-Sept. 1946 |
|---|---|---|---|
| St. Pancras (Camden Square) ... | 83 | 145 | 113 |
| Folkestone (Cherry Gardens)... ... | 92 | 157 | 119 |
| Edenbridge (Falconhurst) ... ... | 87 | 146 | 112 |
| Compton (Compton House) ... ... | 95 | 173 | 128 |
| Worthing (Beach House Park) ... | 81 | 148 | 109 |
| Ventnor (Royal National Hospital) ... | 89 | 149 | 113 |
| Fordingbridge (Oaklands) ... ... | 78 | 159 | 110 |
| Sherborne St. John ... ... ... | 92 | 151 | 118 |
| Royston (Therfield Rectory) ... | 82 | 129 | 106 |
| Slough (Upton) ... ... ... | 90 | 170 | 127 |
| Oxford (Radcliffe Met. Stn.) ... ... | 86 | 124 | 105 |
| Wellingborough (Swanspool) ... | 93 | 124 | 108 |
| March ... ... ... ... ... | 79 | 127 | 103 |
| Hatfield Broad Oak (Barrington) ... | 106 | 132 | 119 |
| Shoeburyness ... ... ... ... | 96 | 151 | 122 |
| Campsea Ashe (High House) ... | 80 | 142 | 110 |
| Lowestoft (Secondary School) ... | 94 | 151 | 122 |
| Bury St. Edmunds (Westley Hall) ... | 83 | 195 | 139 |
| Sandringham House Gardens ... | 96 | 131 | 113 |
| Bishops Cannings ... ... ... | 85 | 133 | 108 |
| Creech Grange ... ... ... | 94 | 147 | 115 |
| Beaminster (East Street) ... ... | 99 | 155 | 121 |
| Teignmouth (Den Gardens) ... ... | 89 | 155 | 115 |
| Cullompton ... ... ... ... | 102 | 163 | 128 |
| Barnstaple (North Devon Athenæum) | 80 | 148 | 108 |
| Okehampton (Uplands) ... ... | 100 | 164 | 125 |
| Bude School House ... ... ... | 80 | 145 | 107 |
| Penzance (Morrab Gardens) ... ... | 103 | 133 | 115 |
| St. Austell (Trevarna) ... ... ... | 99 | 147 | 118 |
| Tresco Abbey ... ... ... ... | 99 | 139 | 115 |
| Cirencester ... ... ... ... | 89 | 152 | 118 |
| Vowchurch (Ladywell House) ... | 101 | 141 | 118 |
| Church Stretton (Woolstaston) ... | 108 | 158 | 132 |
| Cheswardine Hall ... ... ... | 128 | 132 | 130 |
| Leek (Wall Grange Pumping Stn.) ... | 100 | 119 | 113 |
| Malvern (Free Library) ... ... | 91 | 139 | 114 |
| Alcester (Ragley Hall) ... ... | 93 | 147 | 120 |
| Birmingham (Edgbaston) ... ... | 114 | 149 | 131 |
| Thornton Reservoir ... ... ... | 97 | 142 | 119 |
| Boston (Black Sluice, Skirbeck) ... | 84 | 113 | 99 |
| Skegness (Marine Gardens) ... ... | 69 | 134 | 101 |
| Mansfield (Carr Bank) ... ... | 79 | 126 | 101 |
| Birkenhead (Bidston Observatory) ... | 103 | 124 | 113 |
| Manchester (Whitworth Park) ... | 120 | 118 | 119 |
| Stonyhurst College ... ... ... | 84 | 123 | 102 |
| Ulverston (Poaka Beck) ... ... | 80 | 115 | 96 |
| Blackpool (Stanley Park) ... ... | 92 | 120 | 105 |
| Wakefield (Clarence Park) ... ... | 92 | 138 | 114 |
| Hull (Pearson Park) ... ... ... | 79 | 137 | 108 |
| Felixkirk (Mount St. John) ... ... | 67 | 131 | 98 |
| York Museum ... ... ... ... | 86 | 134 | 111 |
| Scarborough ... ... ... ... | 65 | 136 | 99 |
| Middlesbrough (Albert Park)... ... | 63 | 123 | 94 |
| Newcastle (Leazes Park) ... ... | 67 | 122 | 94 |
| Bellingham (High Green) ... ... | 65 | 118 | 89 |
| Ilderton (Lilburn Tower Gardens) ... | 62 | 111 | 85 |
| Geltsdale ... ... ... ... | 68 | 138 | 102 |
| Keswick (High Hill) ... ... ... | 88 | 134 | 107 |
| Ravenglass (The Grove) ... ... | 80 | 114 | 96 |
| Appleby (Castle Bank) ... ... | 77 | 122 | 97 |

| Station† | Winter Oct. 1945-Mar. 1946 | Summer Apl. 1946-Sept. 1946 | Year Oct. 1945-Sept. 1946 |
|---|---|---|---|
| Abergavenny (Larchfield) ... ... | 90 | 146 | 113 |
| Ystalyfera (Wern House) ... ... | 88 | 161 | 117 |
| Cardiff (Penylan) ... ... ... | 87 | 153 | 115 |
| Llanddeusant (Pontcrynfe) ... | 89 | 133 | 107 |
| St. Ann's Head ... ... ... | 85 | 128 | 102 |
| Aberystwyth (Corporation Yard) ... | 73 | 126 | 97 |
| Birmingham W.W. (Tyrmynydd) ... | 88 | 131 | 105 |
| Lake Vyrnwy (Fawnog) ... ... | 121 | 135 | 127 |
| Blaenau Festiniog (Oakeley Quarry) | 97 | 134 | 113 |
| Llandudno (Cricket Ground) ... | 104 | 128 | 114 |
| Llanerchymedd (Llwydiarth Esgob) | 91 | 115 | 101 |
| Douglas (Borough Cemetery) ... | 83 | 150 | 97 |
| Port William (Monreith) ... ... | 94 | 106 | 99 |
| Dumfries (Crichton Royal Institute) | 86 | 112 | 98 |
| Eskdalemuir Observatory ... ... | 81 | 132 | 101 |
| Kelso (Floors) ... ... ... | 72 | 103 | 87 |
| Stobo Castle ... ... ... | 74 | 109 | 90 |
| Marchmont House ... ... ... | 73 | 87 | 80 |
| North Berwick Reservoir ... ... | 84 | 109 | 97 |
| Edinburgh (Blackford Hill) ... | 86 | 100 | 93 |
| Hamilton W.W. (Townhill) ... | 90 | 110 | 98 |
| Colmonell (Knockdolian) ... ... | 75 | 85 | 80 |
| Glen Afton (Ayr Sanatorium) ... | 87 | 105 | 95 |
| Greenock (Prospect Hill) ... ... | 88 | 93 | 90 |
| Rothesay (Ardencraig) ... ... | 102 | 106 | 104 |
| Loch Sunart (Glenborrodale) ... | 82 | 114 | 95 |
| Lochgilphead (Poltalloch) ... ... | 96 | 105 | 100 |
| Inveraray Castle Gardens ... ... | 87 | 114 | 98 |
| Islay (Eallabus) ... ... ... | 94 | 109 | 100 |
| Tiree ... ... ... ... ... | 114 | 100 | 108 |
| Loch Leven Sluice ... ... ... | 85 | 119 | 100 |
| Leuchars Airfield ... ... ... | 100 | 94 | 97 |
| Loch Dhu ... ... ... ... | 89 | 105 | 95 |
| Crieff (Strathearn Hydro) ... ... | 88 | 121 | 102 |
| Blair Atholl (Blair Castle Gardens) | 98 | 110 | 103 |
| Montrose (Sunnyside Asylum) ... | 102 | 115 | 108 |
| Balmoral Castle Gardens ... ... | 91 | 138 | 111 |
| Aberdeen Observatory ... ... | 86 | 120 | 102 |
| Fyvie Castle ... ... ... ... | 106 | 102 | 104 |
| Fochabers (Gordon Castle) ... | 85 | 129 | 107 |
| Nairn (Achareidh) ... ... ... | 75 | 139 | 107 |
| Glenshero ... ... ... ... | 90 | 120 | 102 |
| Loch Ness (Foyers) ... ... ... | 71 | 124 | 93 |
| Loch Quoich (Glenquoich)... ... | 70 | 118 | 88 |
| Onich ... ... ... ... ... | 85 | 118 | 98 |
| Fort William (Teviot) ... ... | 74 | 122 | 92 |
| Skye (Duntuilm, Kilmuir) ... ... | 84 | 141 | 107 |
| Ullapool ... ... ... ... | 57 | 129 | 85 |
| Applecross Gardens... ... ... | 82 | 123 | 99 |
| Achnashellach ... ... ... | 74 | 131 | 96 |
| Stornoway Airfield ... ... ... | 65 | 119 | 85 |
| Lairg ... ... ... ... ... | 98 | 134 | 113 |
| Loch More (Achfary) ... ... | 87 | 154 | 113 |
| Wick Airfield ... ... ... | 103 | 94 | 99 |
| Lerwick Observatory ... ... | 97 | 144 | 115 |
| Newtownbutler (Crom Castle) ... | 86 | 109 | 97 |
| Armagh Observatory ... ... | 86 | 114 | 100 |
| Seaforde ... ... ... ... | 103 | 121 | 112 |
| Aldergrove Airfield ... ... | 92 | 123 | 107 |
| Ballymena (Harryville) ... ... | 87 | 114 | 100 |
| Garvagh (Moneydig) ... ... | 89 | 126 | 106 |
| Londonderry (Creggan Reservoir) | 97 | 132 | 114 |
| Omagh (Edenfel) ... ... ... | 85 | 129 | 106 |

† For Counties see Table 8D.

The *winter half-year* included the driest November on record and a moderately dry March. In the other four months rainfall was generally up to average but totals for the half-year were, in the main, deficient. Scotland, with 86 per cent. of its average rainfall, had its driest winter since 1939–40. The only area of any size with more than the average rainfall covered the west Midlands and extended to the coast of North Wales. Totals representing less than 70 per cent. of average were reported widely in north-east England and locally in the Scottish Highlands and the Hebrides. The total at Ullapool, 16·29 inches, was only 57 per cent. of average.

April was dry on the whole but thereafter the *summer half-year* was generally wet. September was the wettest month with practically double its average fall over England and Wales. August was also very wet, except in Scotland. Over England and Wales as a whole it was the wettest summer since 1931. Rainfall exceeded the average by at least 50 per cent. over a large area between London, Torquay and Swansea, in parts of East Anglia, south-east England, Shropshire, the Isle of Man and Sutherland. At Bury St. Edmunds the total of 24·40 inches represents 195 per cent. of average, this considerable excess being mainly due to very heavy thunder rains during July. Locally in Scotland a few stations reported totals which were slightly below average.

For the *seasonal year* the percentage values were 111 for England and Wales, 98 for Scotland and 105 for Northern Ireland. Over England and Wales it was the wettest seasonal year since 1940–41. It is of interest that in 1940–41, as in 1945–46, the total rainfall over Scotland was slightly deficient and over Northern Ireland closely approximated to average. The percentage values over England and Wales, Scotland and Northern Ireland in 1940–41 were 113, 95 and 101 respectively.

More than the average occurred over practically the whole of England and Wales except the north-east, with more than 130 per cent. in the west Midlands and locally in Suffolk. In Scotland totals reached average only in the north-east and the extreme south-west. Northern Ireland had generally rather more than the average. The largest station percentage values were 139 at Bury St. Edmunds and 132 at Woolstaston, near Church Stretton. At Marchmont (Berwickshire) and Colmonell (Ayrshire) the seasonal year's totals represented only 80 per cent. of the respective averages.

**Table 9B General Values of Seasonal Rainfall, 1945-46**

| Country | Winter Oct. 1945-Mar. 1946 | Summer Apl. 1946-Sept. 1946 | Year Oct. 1945-Sept. 1946 |
|---|---|---|---|
| | % | % | % |
| England .. .. .. .. | 88 | 139 | 112 |
| Wales .. .. .. .. .. | 92 | 135 | 110 |
| England and Wales .. .. | 89 | 138 | 111 |
| Scotland .. .. .. .. | 86 | 115 | 98 |
| Northern Ireland.. .. .. | 91 | 121 | 105 |

# 10. The Total Fall of Rain in 1946 and its Relation to the Average

The General Table, which forms Part II of this volume, gives the total rainfall for the year at nearly 5,000 stations in Great Britain and Northern Ireland. As many of these totals as practicable have been plotted on a base map on a scale of 16 miles to an inch. The distribution of rainfall has been shown on the map by isohyetal lines or lines of equal rainfall. The distribution is dominated by the orography of the country and the maps of different years resemble each other in their general features. Differences are noticeable only after detailed examination and comparison. The characteristics of a particular year are brought out better by a percentage map, such as that reproduced as a frontispiece to this volume, on which is shown the percentage ratio of the year's rainfall to the local average. The tints on this map are such that blue denotes regions where the 1946 rainfall exceeded the average for the standard period 1881–1915, while red indicates areas with rainfall below this average. Isopleths on the 1946 map are drawn through places where the values of rainfall were respectively 90, 100, 110, 120, 130, 140 and 150 per cent. of the average values. The statistics upon which the map is based are set out in Tables 8D and 10B.

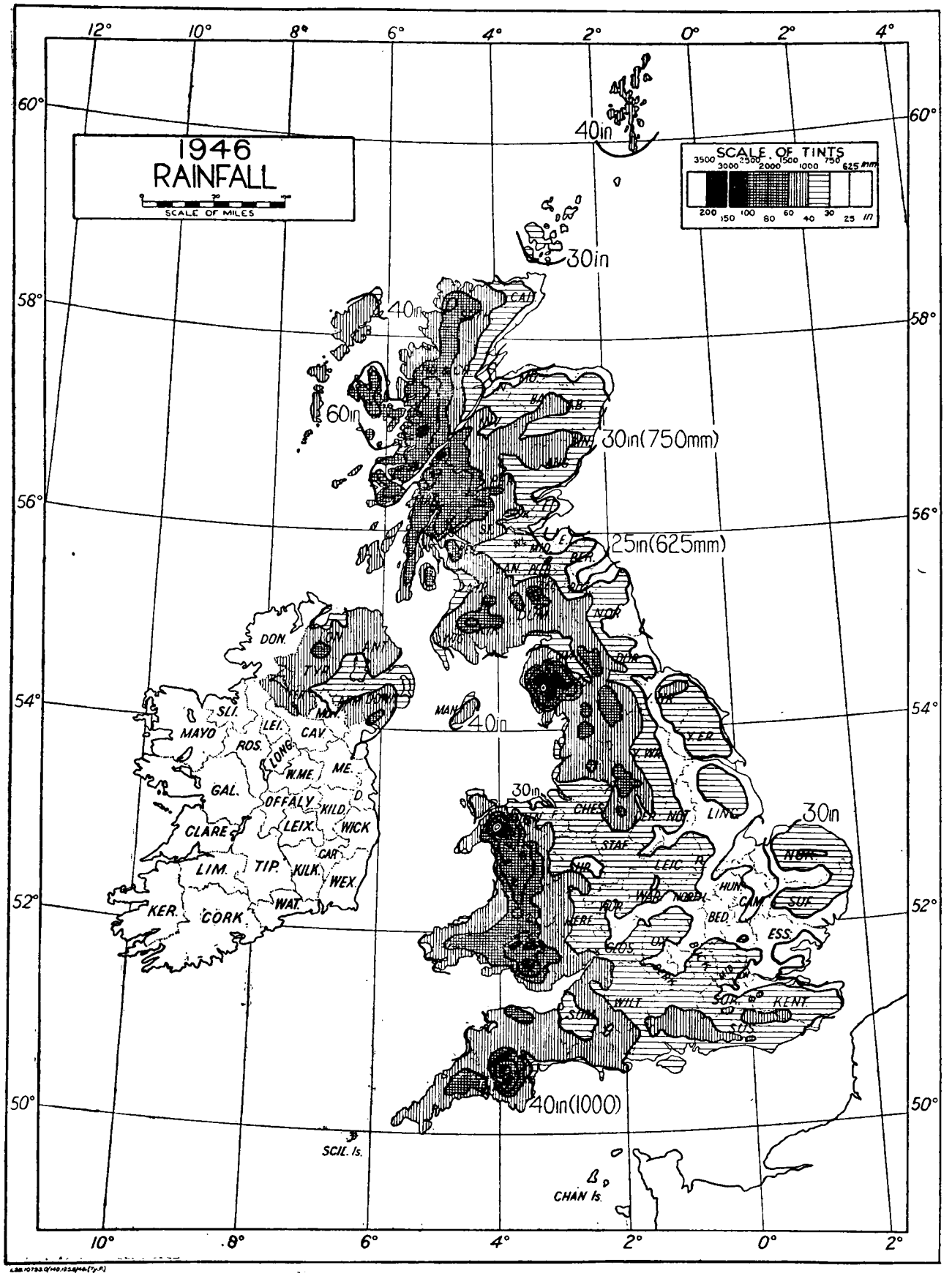
Over England and Wales the rainfall of 1946 was above average except in the extreme northeast. The map shows extensive areas in nearly all districts over which the year's precipitation exceeded 120 per cent. of average. Over Scotland as a whole the rainfall of the year closely approximated to the average. Broadly speaking it was a little wetter than usual in Galloway, over the greater part of east Scotland and in Sutherland. The areas with less than the average rainfall covered most of the Western Highlands and much of the Lowlands. In Northern Ireland the year was rather wetter than average.

The smallest annual percentage values shown in the tables are 83 at Marchmont, Berwickshire, 84 at Thurso (Buckies), Caithness and 86 at Wick, also in Caithness. The largest percentages are 149 at Bury St. Edmunds (Westley Hall), Suffolk, 141 at Church Stretton (Woolstaston), Salop and 140 at Evershot (Melbury House), Dorset.

The percentage values of 215 stations are used to derive general values of rainfall for the year over the larger divisions of the country. These values are set out in Table 10A.

**Table 10A General Rainfall, 1946, compared with average**

| Countries | No. of Stations | Average 35 years 1881-1915 | 1946 | |
|---|---|---|---|---|
| | | | Per cent | Rainfall |
| | | in. | | in. |
| England ... | 122 | 32·67 | 118 | 38·6 |
| Wales ... ... | 18 | 50·14 | 118 | 59·0 |
| England & Wales | 140 | 35·23 | 118 | 41·6 |
| Scotland ... | 63 | 50·32 | 99 | 50·0 |
| Northern Ireland | 12 | 39·66 | 109 | 43·2 |


1946
RAINFALL
SCALE OF MILES
SCALE OF TINTS
3500 3000 2500 2000 1500 1000 750 625 mm
200 150 100 80 60 40 30 25 in
12° 10° 8° 6° 4° 2° 0° 2° 4°
60° 58° 56° 54° 52° 50°
40in
30in
60in
30in(750mm)
25in(625mm)
40in
30in
30in
40in(1000)
SCIL. Is.
CHAN Is.
DON.
SLI.
MAYO
LEI.
CAV.
ROS.
LONG.
W.ME.
ME.
GAL.
OFFALY
KILD.
CLARE
LEIX.
WICK
CAR.
LIM.
TIP.
KILK.
WEX.
KER.
CORK
WAT.
MAN.
CHES.
LINC.
YER.
NOR.
STAF.
LEIC.
SHR.
HUN.
CAM.
SUF.
BED.
ESS.
GLOS.
WILT
SOM.
KENT

Over England and Wales as a whole 1946 was the wettest year since 1927. In the 78 years for which comparable statistics are available, only seven years have been wetter than 1946 *viz.* 1872 (wettest of all), 1877, 1882, 1903, 1912, 1924 and 1927. The annual totals of rainfall in 1946 ranged from rather less than 22 inches on both shores of the Thames Estuary, in the Fens and on the Moray Firth to more than 180 inches in the English Lake District and to over 200 inches in the wettest part of Snowdonia.

The general distribution of the actual rainfall in 1946, as shown in the accompanying map, is similar to that for other years, but the variation is rather more marked than usual.

Among the largest totals recorded for the year, the following are of interest:

| | | Inches |
|---|---|---|
| England ... | Cumberland, Sprinkling Tarn ... | 186·75 |
| Wales ... | Carnarvon, Snowdon (Grib Goch) | 206·56 |
| Scotland ... | Ross & Cromarty, Glenshiel (Kyle) | 125·25 |
| N. Ireland ... | Mourne Mountains (Slieve Lamagan) ... ... ... | 79·15 |

Notable among the smallest totals during the year were :

| | | Inches |
|---|---|---|
| England ... | Lincoln, Whaplode (Irby Hall Farm) | 20·93 |
| Wales ... | Flint, Prestatyn ... ... ... | 27·68 |
| Scotland ... | Nairn, Nairn Golf Course ... | 21·95 |
| N. Ireland ... | Down, Donaghadee (Orlock Res.) | 31·69 |

## Table 10B Rainfall of 1946 as Percentage of Average, 1881-1915 *

| County | Station | Per cent. of Average | County | Station | Per cent. of Average |
|---|---|---|---|---|---|
| | ENGLAND | | | | |
| Surrey ... | Reigate (Wray Park Road) ... | 124 | Yorks E.R. | Spurn Head ... ... ... | 116 |
| Kent ... | Lympne (Airport) ... ... | 112 | ,, | Holme-on-Spalding Moor ... | 120 |
| ,, ... | Bromley ... ... ... | 124 | ,, | Lowthorpe (The Elms) ... | 115 |
| Sussex ... | Patching Farm ... ... | 116 | ,, N.R. | Guisborough (Lockwood Res.) | 110 |
| ,, ... | Horsham (Wimblehurst) ... | 128 | Durham | Barnard Castle (Bowes Museum) | 110 |
| Hampshire | Totland Bay (Aston House) | 113 | ,, | Burnhope (Lodgegill Mine) | 106 |
| ,, | Portsmouth (Victoria Park)... | 114 | North'land | Hallington (Fawcett) ... | 94 |
| ,, | South Farnborough ... | 123 | ,, | Morpeth (Cockle Park) ... | 90 |
| Hertford | Harpenden (Rothamsted) ... | 114 | ,, | Howick Hall ... ... ... | 103 |
| Bucks. ... | Little Kimble ... ... | 114 | Cumberland | Penrith (Newton Rigg) ... | 99 |
| ,, ... | Oving House ... ... ... | 109 | ,, | Borrowdale (Seathwaite) | 119 |
| Northants | Kettering (Sewage Works) ... | 118 | ,, | Keswick (Derwent Island) ... | 114 |
| Bedford | Woburn (Experimental Farm) | 118 | Westmorland | Rydal (High Close) ... ... | 115 |
| Cambridge | Cambridge (Botanic Gardens) | 107 | | | |
| Essex ... | Halstead (The Brewery) ... | 121 | | WALES | |
| Norfolk | Sprowston (Oak Lodge) ... | 122 | Glamorgan | Treherbert (Tyn-y-waun) ... | 132 |
| ,, ... | Cromer (Howards Hill) ... | 125 | Carmarthen | Llanelly (Cwmlliedi) ... | 123 |
| ,, ... | Thetford Waterworks ... | 120 | Pembroke | Pembroke (Stackpole Court) | 110 |
| Wiltshire | Larkhill (School of Artillery) | 137 | Montgomery | Welshpool (County School) | 115 |
| ,, ... | Marlborough College ... | 120 | Denbigh | Wrexham (Pack Saddle Res.) | 119 |
| Dorset ... | Evershot (Melbury House) ... | 140 | ,, | Llangynhafel (Plas Draw) ... | 111 |
| Devon S. | Plymouth (The Hoe) ... | 127 | Anglesey | Holyhead (Salt Island) ... | 106 |
| ,, ... | Princetown (H.M. Prison) ... | 131 | | | |
| ,, N. | Torrington (Hillside) ... | 121 | | SCOTLAND | |
| Cornwall | Newquay (Mount Wise) ... | 126 | Kirkcudbright | Dalry (Glendarroch)... ... | 95 |
| ,, | Falmouth (Observatory) ... | 118 | Dumfries | Langholm (Arkleton) ... | 112 |
| Somerset | Bath (Henrietta Park) ... | 113 | Roxburgh | Jedburgh (Crailing) ... ... | 87 |
| ,, | Street (Millfield) ... ... | 111 | Selkirk ... | Ettrick Manse ... ... | 101 |
| ,, | Milverton (Spring Grove) ... | 126 | Midlothian | Moorfoot Hills (Gladhouse R.) | 87 |
| Gloucester | Cheltenham (Montpellier Gdns) | 108 | ,, | West Calder (Addiewell) ... | 100 |
| Hereford | Ross-on-Wye ... ... | 110 | Ayr ... | Kilmarnock (Dean Castle) ... | 98 |
| Shropshire | Shifnal (Hatton Grange) ... | 108 | Renfrew | Paisley W.W. (Back Th'lymuir) | 109 |
| Worcester | Stourport (Lincombe Lock) | 127 | Argyll ... | Corran Lighthouse ... ... | 93 |
| Warwick | Coventry (City Hospital) ... | 113 | ,, ... | Mull of Kintyre ... ... | 87 |
| Lincoln | Spalding (Pode Hole) ... | 115 | ,, ... | Loch Eck (Ben More) ... | 100 |
| ,, ... | Cranwell (Airfield) ... ... | 123 | ,, ... | Mull (Gruline) ... ... | 102 |
| ,, ... | Revesby Reservoir ... ... | 113 | Perth ... | Glengyle ... ... ... | 97 |
| ,, ... | Skellingthorpe Hall ... ... | 117 | ,, ... | Perth (Wellshill Cemetery) ... | 99 |
| ,, ... | Brigg (Wrawby Road) ... | 129 | Angus ... | Kirriemuir (Lintrathen) ... | 107 |
| Nottingham | Nottingham (The Castle) ... | 120 | Aberdeen | Braemar (Bank) ... ... | 106 |
| Derby ... | Buxton (Terrace Slopes) ... | 124 | ,, ... | Lumphanan ... ... ... | 107 |
| Cheshire | Middlewich (Bostock Hall) | 118 | Banff ... | Banff ... ... ... ... | 95 |
| Lancs. S. | Garston (Grassendale Park) | 113 | Inverness | Inverness (Culduthel Res.) ... | 99 |
| ,, C. | Wigan W.W. (Worthington) | 123 | Caithness | Thurso (Buckies) ... ... | 84 |
| ,, N. | Morecambe ... ... ... | 107 | | | |
| Yorks W.R. | Sheffield (Weston Park) ... | 128 | | NORTHERN IRELAND | |
| ,, | Huddersfield (Oakes) ... | 126 | Down ... | Newry (Bridge Street House) | 104 |
| ,, | Skipton (Chelker Reservoir) | 123 | ,, ... | Waringstown (The Forge) ... | 114 |
| ,, | Harrogate (Harlow Moor) ... | 131 | Antrim ... | Belfast (Queen's University) | 111 |
| | | | Londonderry | Glenedra Lodge ... ... | 109 |

* See also Table 8D, pp. 69-72.

# 11. Evaporation and Percolation in 1946

The *evaporation gauges* in use are square tanks sunk in the ground, and the evaporation measured is that from a free water surface. A description of the standard gauge and of the procedure followed in measuring evaporation appeared in *British Rainfall* 1939 and in earlier volumes.

The list of 13 stations given in Table 11B, for which details of evaporation are available for 1946, is the same as in 1945. The mean of the 13 records over the whole year was 16·21 inches which closely approximates to the means in 1944 (16·28) and 1945 (16·49). As in 1945 Rye recorded the largest total with 20·96 inches. During the unsettled, wet and dull June, August, and September, evaporation was less than usual, the mean in June being ·61 inch below average. April and October each had ·16 inch more than their respective averages.

**Evaporation at Camden Square (London).** The monthly evaporation values for the 54 years 1885–1938 were set out in Table XXVII of *British Rainfall* 1938. The record is the longest available in the country and the annual and monthly extremes are given in Table 11A.

In 1946 evaporation was largest in July with 3·79 inches, or ·82 inch more than average. In the wet and dull September it was only ·91 inch, the least in any September since 1909. October had ·89 inch, an amount which has only been exceeded in October once in the previous 60 years, viz. in October 1934 when the total was ·93 inch.

*Percolation gauges.* In Table 11c the amount of water percolating through a definite depth of soil is given. The list of stations is the same as for 1945. The difference between percolation and rainfall is largely to be accounted for by evaporation, but evaporation as determined in this way (known as " calculated evaporation ") is not strictly comparable with that given in Table 11B.

There is no free water surface present in the percolation gauge, and during dry periods the surface soil is nearly dry, so that practically no evaporation can take place. In dry years the calculated evaporation, as obtained from the percolation gauges, will be less than similar values for wet years, and less than the values obtained from the water surface in a tank. In 1946 the mean " calculated evaporation " from the 13 percolation gauges was 18·98 inches compared with the mean loss from the 13 evaporation tanks of 16·21 inches. These totals differ little from those recorded in 1945.

**Table 11A Evaporation at Camden Square (London)**

| | *Jan.* | *Feb.* | *Mar.* | *Apr.* | *May* | *June* | *July* | *Aug.* | *Sept.* | *Oct.* | *Nov.* | *Dec.* | *Year* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Average* 1885–1919 | ·10 | ·25 | ·66 | 1·51 | 2·43 | 2·91 | 2·97 | 2·33 | 1·38 | ·62 | ·25 | ·09 | 15·50 |
| *Monthly Extremes* 1885–1946 | | | | | | | | | | | | | |
| | *Jan.* | *Feb.* | *Mar.* | *Apr.* | *May* | *June* | *July* | *Aug.* | *Sept.* | *Oct.* | *Nov.* | *Dec.* | *Year* |
| Largest (in.) | ·26 | ·64 | 1·22 | 2·34 | 3·25 | 4·00 | 4·60 | 3·78 | 2·38 | ·93 | ·43 | ·32 | 19·69 |
| Year | 1903 | 1895 | 1945 | 1912 | 1901 | 1940 | 1911 | 1899 | 1906 | 1934 | 1888, 1945 | 1913 | 1921 |
| Smallest (in.) | c·17 | ·01 | ·30 | ·85 | 1·56 | 1·70 | 1·44 | 1·56 | ·68 | ·28 | ·02 | c·14 | 12·60 |
| Year | 1924 | 1893 | 1909, 1916 | 1920 | 1898 | 1909 | 1888 | 1941 | 1896 | 1940 | 1892 | 1897 | 1888 |

At *Farlington* percolation over the year was appreciably greater than in most recent years. At *Rothamsted* March was the only month without percolation through either gauge. In November percolation exceeded 5 inches—practically equal to the month's rainfall. At *Fleam Dyke* percolation through the bare soil gauge amounted to 9·12 inches for the year compared with 7·74 inches registered by the turfed gauge. Only during May did water fail to percolate through the bare gauge but the turfed gauge dried out in April and did not show percolation again until September. *Harrogate* with 20·05 inches percolation had the highest total of the 13 records available. This total represents 50 per cent. of the year's rainfall. The three gauges at *Craibstone* were again under pasture. Amounts from No. 2 (manured) and No. 3 (manured and limed) were in close agreement at about 12·5 inches. The unmanured gauge gave 15 inches.

*Drainage Gauges at Prescot (Liverpool) and at Lake Vyrnwy.* Two seepage gauges were installed at Prescot and observations began there in January 1943. Each gauge consists of an undisturbed column of soil from ancient parkland, 11 inches in depth, encased by a cast iron cylinder. The column of soil is supported by fine woven wire mesh on a funnel-shaped impervious concrete base through which a vertical lead pipe leads to a glass collecting vessel in a chamber underneath. The whole gauge is sealed to prevent water other than rainfall gaining ingress, while the lip of the containing cylinder is one inch above the surface. The area of the receiving surface of the gauge is precisely ten times the area of the receiving surface of a 5-inch rain-gauge; the water seeping through and collected in the glass vessel is measured daily by using the certified rain-gauge measure. The rainfall is measured in a rain-gauge alongside.

The gauges are situated in an open field and their surfaces are level with the surrounding ground. In one gauge the soil is bare and kept weeded, while in the other the original growth of grass remains and this is kept cut to two inches.

At Lake Vyrnwy are two seepage gauges similar to those at Prescot. The productive soil on the field in which the Experimental Station is situated is about 9 inches thick and has been under grass. In one gauge the grass was left, while in the second the plant life was burnt off and the soil is bare and weeded.

*Seepage–Percolation Gauges at Lake Vyrnwy.* The object of seepage-percolation gauges is, by reproducing on a small scale the conditions that are inferred to occur on a large self-contained drainage basin, to measure the water which has seeped through the upper soil down to a zone of saturation and then flowed to a point of discharge as a spring.

A gauge consists of two stages, a seepage zone and a percolation zone. The seepage zone is similar to the grassed seepage gauge. The drainage from the seepage column is led to the base of a cylinder 6 ft. deep in which it percolates through a rock core overlain by soil; thence the effluent flows out through a pipe fixed just below the soil surface. The rock placed in the cylinder is chalk, as in the Farlington, Hants, gauges. The outflow pipe represents a spring. The surface of the percolation column is below the bottom of the seepage column. The ultimate run-off is collected in a glass vessel in a chamber and measured daily. As the area of the combined exposed surfaces is a multiple of the receiving surface of a Meteorological Office raingauge, the certified measure of the adjacent rain-gauge is used for run-off measurement.

The 1946 data, supplied by the Engineer, Liverpool Corporation Water Works, are set out in Table 11D.

## Table 11B Evaporation in 1946

| List of Stations | County | Observer | Particulars of Tank | | | |
|---|---|---|---|---|---|---|
| | | | Height above Ground | Height above Sea Level | Side | Capacity |
| | | | ft. in. | ft. | ft. in. | Gals. |
| Camden Square ... ... | London ... ... 2 | Royal Meteorological Society | 0 3 | 111 | 6 0 | 450 |
| Rye ... ... ... ... | Kent ... ... ... 1 | Meteorological Office ... | 0 3 | 12 | 6 0 | 450 |
| Otterbourne ... ... | Hampshire ... ... 5 | J. Hawksley, Esq. ... ... | 0 3 | 112 | 6 0 | 450 |
| Petersfield ... ... ... | ,, ... ... 7 | C. J. P. Cave, Esq. ... ... | 0 3 | 747 | 4 0 | 250 |
| Ormesby St. Michael ... | Norfolk ... ... 2 | Gt. Yarmouth W.W. ... | 0 3 | 21 | 6 0 | 450 |
| Bartley ... ... ... | Warwickshire ... 4 | C. A. Risbridger, Esq. ... | 0 3 | 611 | 6 0 | 450 |
| Revesby ... ... ... | Lincolnshire ... 3 | D. H. Ball, Esq. ... ... | 0 6 | 124 | 6 0 | 450 |
| Southport ... ... ... | Central Lancashire ... 3 | The Corporation ... ... | 0 3 | 37 | 3 0 | 112 |
| Ardsley Reservoir ... ... | Yorkshire W.R. ... 8 | Wakefield Corp. W.W. ... | 0 3 | 392 | 6 0 | 450 |
| Lower Laithe ... ... | ,, ,, ... 9 | A. Boothman, Esq. ... ... | 0 6 | 772 | 6 0 | 450 |
| Harrogate ... ... ... | ,, ,, ... 11 | D. G. Davies, Esq. ... ... | 0 3 | 549 | 6 0 | 450 |
| Talla Water ... ... | Peebles ... ... 1 | Edinburgh W.W. ... ... | 0 3 | 904 | 6 0 | 450 |
| Amlaird Filters ... ... | Ayr ... ... ... 3 | W. Dunbar, Esq. ... ... | 0 4 | 590 | † | 650 |

| 1946 | Camden Square | Rye | Otterbourne | Petersfield | Ormesby St. Michael | Bartley | Revesby | Southport |
|---|---|---|---|---|---|---|---|---|
| | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* |
| January ... ... ... | ·15 | ·24 | c·06 | ·13 | 17 | ·20 | ·13 | ·14 |
| February ... ... ... | ·16 | ·50 | ·63 | ·16 | ·40 | ·49 | ·16 | ·34 |
| March ... ... ... | ·86 | ·95 | 1·09 | ·73 | 1·49 | ·80 | ·87 | ·56 |
| April ... ... ... | 2·06 | 2·35 | 2·12 | 1·97 | 2·04 | 1·87 | 1·57 | 1·47 |
| May ... ... ... ... | 2·82 | 2·70 | 3·36 | 3·02 | 1·44 | 2·27 | 1·66 | 3·03 |
| June ... ... ... ... | 2·83 | 3·00 | 2·85 | 2·46 | 2·50 | 2·45 | 1·58 | 2·38 |
| July ... ... ... ... | 3·79 | 4·31 | 3·78 | 3·89 | 3·00 | 3·33 | 1·94 | 3·14 |
| August ... ... ... | 2·36 | 2·88 | 2·64 | 2·34 | 2·11 | 2·20 | 1·42 | 2·30 |
| September ... ... ... | ·91 | 1·76 | 1·33 | 1·22 | 1·50 | 1·39 | 1·20 | 1·21 |
| October ... ... ... | ·89 | 1·39 | 1·26 | 1·08 | 1·34 | ·99 | ·87 | ·80 |
| November ... ... ... | ·08 | ·51 | ·68 | ·41 | ·24 | ·48 | ·31 | c·03 |
| December ... ... ... | c·01 | ·37 | ·20 | ·20 | ·34 | ·17 | ·04 | c·03 |
| Year ... ... ... ... | 16·90 | 20·96 | 19·88 | 17·61 | 16·57 | 16·64 | 11·75 | 15·31 |
| Average, 1908-1942 ... | 15·39 | ... | 19·71 | 17·00 | 17·26 | 17·19 | ... | 15·82 |
| Difference ... ... ... | +1·51 | ... | +0·17 | +0·61 | −0·69 | −0·55 | ... | −0·51 |

| 1946 | Ardsley Res. | Lower Laithe | Harrogate | Talla Water | Amlaird Filters | Mean of 13 records | Average 1908-1942 |
|---|---|---|---|---|---|---|---|
| | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* |
| January ... ... ... ... ... | ·21 | ·19 | ·33 | c·08 | ·26 | ·15 | ·14 |
| February ... ... ... ... ... | ·40 | 1·88 | ·40 | c·17 | ·19 | ·43 | ·29 |
| March ... ... ... ... ... | ·65 | 1·02 | ·62 | ·18 | c·35 | ·73 | ·79 |
| April ... ... ... ... ... | 1·54 | 1·76 | 1·92 | 1·35 | 1·17 | 1·78 | 1·62 |
| May... ... ... ... ... ... | 2·10 | 2·49 | 2·84 | 3·08 | 3·71 | 2·66 | 2·53 |
| June... ... ... ... ... ... | 2·21 | 2·80 | 2·79 | 1·84 | 2·35 | 2·46 | 3·07 |
| July ... ... ... ... ... | 2·50 | 3·38 | 3·12 | 1·83 | 2·43 | 3·11 | 2·98 |
| August ... ... ... ... ... | 1·71 | 2·06 | 2·47 | 1·40 | 2·03 | 2·15 | 2·44 |
| September ... ... ... ... ... | 1·23 | ·91 | 1·55 | ·59 | 1·71 | 1·27 | 1·59 |
| October ... ... ... ... ... | ·92 | ·75 | 1·13 | ·58 | 1·04 | 1·00 | ·84 |
| November ... ... ... ... ... | ·27 | c·25 | ·88 | ·06 | ·64 | ·33 | ·34 |
| December ... ... ... ... ... | ·24 | c·26 | ·39 | c·01 | ·19 | ·14 | ·15 |
| Year ... ... ... ... ... | 13·98 | 16·73 | 18·44 | 10·65 | 15·37 | 16·21 | 16·78 |
| Average, 1908-1942 ... ... ... | 17·59 | 15·10 | 19·53 | ... | ... | ... | ... |
| Difference ... ... ... ... ... | −3·61 | +1·63 | −1·09 | ... | ... | −0·57 | ... |

NOTE : In the Table " c " indicates an excess of condensation over evaporation. † 6ft. × 4 ft.

# Table 11C Rainfall, Percolation and Calculated Evaporation in 1946

*(Unless otherwise stated, the size of the percolation gauges is 3 ft. × 3 ft. × 3 ft.)*

| 1946 | Farlington, Hants Gauges 36-inch diameter | | | | | | Rothamsted, Herts. $\frac{1}{1000}$ acre gauges | | | Fleam Dyke, Cambs. $\frac{1}{1000}$ acre gauges | | | Harrogate, Yorks. | | Craibstone, Aberdeen $\frac{1}{1000}$ acre gauges | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Percolation | | | | | | Percolation* | | | Percolation | | | | | Percolation Gauges under pasture | | |
| | Rainfall | 24″ Chalky Marl** | 36″ Chalky Marl** | 48″ Chalky Marl** | 36″ Sand ‖ | 36″ Chalk ‖ | Rainfall† | 20″ Soil | 60″ Soil | Rainfall | 36″* Chalk | 36″‡ Chalk | Rainfall | Percolation | Rainfall | 1†† 40″ Soil | 2‡‡ 40″ Soil | 3‖‖ 40″ Soil |
| | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* |
| January... ... | 2·44 | 1·98 | 1·77 | 1·75 | 1·65 | 1·80 | 2·43 | 2·03 | 1·99 | 1·07 | ·32 | ·57 | 3·46 | 2·27 | 1·59 | ·96 | ·91 | ·74 |
| February ... | 2·92 | 2·57 | 2·50 | 2·45 | 2·39 | 2·56 | 2·53 | 2·00 | 2·20 | 1·60 | ·79 | 1·13 | 3·50 | 3·20 | 1·26 | 1·00 | 1·15 | ·97 |
| March ... ... | 1·10 | ·64 | ·77 | ·80 | ·85 | ·90 | 1·18 | 1·00 | 1·75 | 1·33 | ·36 | ·55 | 1·10 | 1·13 | 2·22 | 1·72 | 1·74 | ·89 |
| April ... ... | 1·98 | ·01 | ·01 | ·06 | ·05 | ·04 | ·98 | ·00 | ·00 | 1·30 | ·08 | ·01 | 1·77 | ·19 | ·54 | ·09 | ·04 | ·03 |
| May ... ... | 4·12 | ·29 | ·00 | ·67 | ·00 | ·23 | 2·32 | ·51 | ·41 | 1·90 | ·00 | ·00 | 3·08 | ·89 | 3·16 | ·01 | ·03 | ·00 |
| June ... ... | 3·37 | ·70 | ·54 | ·68 | ·58 | ·77 | 2·49 | ·33 | ·35 | 2·02 | ·09 | ·00 | 2·08 | ·37 | 2·89 | ·09 | ·14 | ·00 |
| July ... ... | 2·01 | ·09 | ·03 | ·08 | ·03 | ·08 | 2·03 | ·32 | ·22 | 3·55 | 1·20 | ·00 | 3·80 | ·88 | 4·79 | ·09 | ·27 | ·25 |
| August ... ... | 5·01 | ·46 | ·00 | ·00 | ·02 | ·17 | 3·74 | 1·40 | 1·22 | 2·96 | ·74 | ·00 | 4·61 | 1·34 | 3·02 | ·01 | ·11 | ·08 |
| September ... | 3·62 | 2·52 | 2·10 | 2·27 | 2·35 | 2·68 | 3·75 | 2·28 | 2·49 | 2·62 | 1·02 | ·81 | 5·87 | 2·90 | 4·33 | 1·99 | 1·79 | 2·00 |
| October... ... | ·63 | ·01 | ·01 | ·04 | ·02 | ·04 | 1·47 | ·40 | ·31 | 1·18 | ·04 | ·00 | 1·95 | 1·30 | ·76 | ·00 | ·00 | ·00 |
| November ... | 4·38 | 3·10 | 2·64 | 2·53 | 2·54 | 2·71 | 5·47 | 5·27 | 5·32 | 3·47 | 2·71 | 2·68 | 6·16 | 3·41 | 7·02 | 6·72 | 3·85 | 5·17 |
| December ... | 3·37 | 3·18 | 3·06 | 3·02 | 2·83 | 3·09 | 2·03 | 2·03 | 2·02 | 2·02 | 1·77 | 1·99 | 2·50 | 2·17 | 3·69 | 2·32 | 2·48 | 2·49 |
| Year .. ... | 34·95 | 15·55 | 13·43 | 14·35 | 13·31 | 15·07 | 30·42 | 17·57 | 18·28 | 25·02 | 9·12 | 7·74 | 39·88 | 20·05 | 35·27 | 15·00 | 12·51 | 12·62 |
| Calculated Evaporation | ... | 19·40 | 21·52 | 20·60 | 21·64 | 19·88 | ... | 12·85 | 12·14 | ... | 15·90 | 17·28 | ... | 19·83 | ... | 20·27 | 22·76 | 22·65 |

† Values obtained from 8 inch gauge.
* Through bare unworked soil.
** Depths include 12 in. of top soil and turf.
‖ Depths include 6 in. of top soil and turf.
†† Unmanured. ‡‡ Manured. ‖‖ Manured and Limed.
‡ Through turfed soil.

## Table 11D Drainage Observations in 1946

| 1946 | Prescot, Lancashire | | | Lake Vyrnwy, Montgomery | | | | |
|---|---|---|---|---|---|---|---|---|
| | Rainfall | Seepage* Gauges | | Rainfall | Seepage* Gauges | | Percolation† Gauges | |
| | | Bare Soil | Turfed Soil | | No. 1 Bare Soil | No. 2 Turfed Soil | No. 3 Grass covered over chalk | No. 4 Grass covered over chalk |
| | in. | in. | in. | in. | in. | in. | in. | in. |
| January .. .. | 4·15 | 3·94 | 3·99 | 10·70 | 10·62 | (10·62) | (10·62) | (10·62) |
| February .. .. | 5·21 | 5·12 | 4·92 | 11·98 | 11·08 | 12·11 | 11·64 | 11·88 |
| March .. .. .. | ·72 | ·56 | ·42 | 3·00 | 2·35 | 2·60 | 2·54 | 2·55 |
| April .. .. .. | 1·17 | ·49 | ·54 | 1·60 | ·06 | trace | trace | trace |
| May .. .. .. | 1·64 | ·22 | ·29 | 3·00 | ·94 | ·42 | ·34 | ·37 |
| June .. .. .. | 4·60 | 4·15 | 2·25 | 7·15 | 4·10 | 4·25 | 4·30 | 4·31 |
| July .. .. .. | 3·74 | 3·27 | 2·51 | 2·38 | ·61 | ·32 | ·36 | ·34 |
| August .. .. | 5·10 | 2·58 | 1·74 | 8·05 | 6·00 | 6·30 | 6·35 | 6·26 |
| September .. .. | 4·06 | 2·46 | 2·18 | 8·33 | 6·95 | 7·36 | 7·24 | 7·31 |
| October .. .. | ·95 | ·35 | ·40 | 2·68 | 1·96 | 2·10 | 2·03 | 2·03 |
| November .. .. | 5·19 | 3·98 | 4·22 | 11·10 | 10·37 | 10·61 | 10·37 | 10·52 |
| December .. .. | 4·04 | 2·95 | 2·95 | 7·06 | 6·94 | 7·01 | 6·84 | 6·94 |
| Year .. .. .. | 40·57 | 30·07 | 26·41 | 77·03 | 61·98 | 63·70 | 62·63 | 63·13 |
| Calculated Evaporation .. | .. | 10·50 | 14·16 | .. | 15·05 | 13·33 | 14·40 | 13·90 |

* The receiving surface of the Seepage gauge is ten times the receiving surface of a 5-inch diameter rain-gauge.

† The receiving surface of the Percolation gauge is thirteen times the receiving surface of a 5-inch diameter rain-gauge.

M.O. 495a

METEOROLOGICAL OFFICE, AIR MINISTRY

BRITISH RAINFALL ORGANIZATION

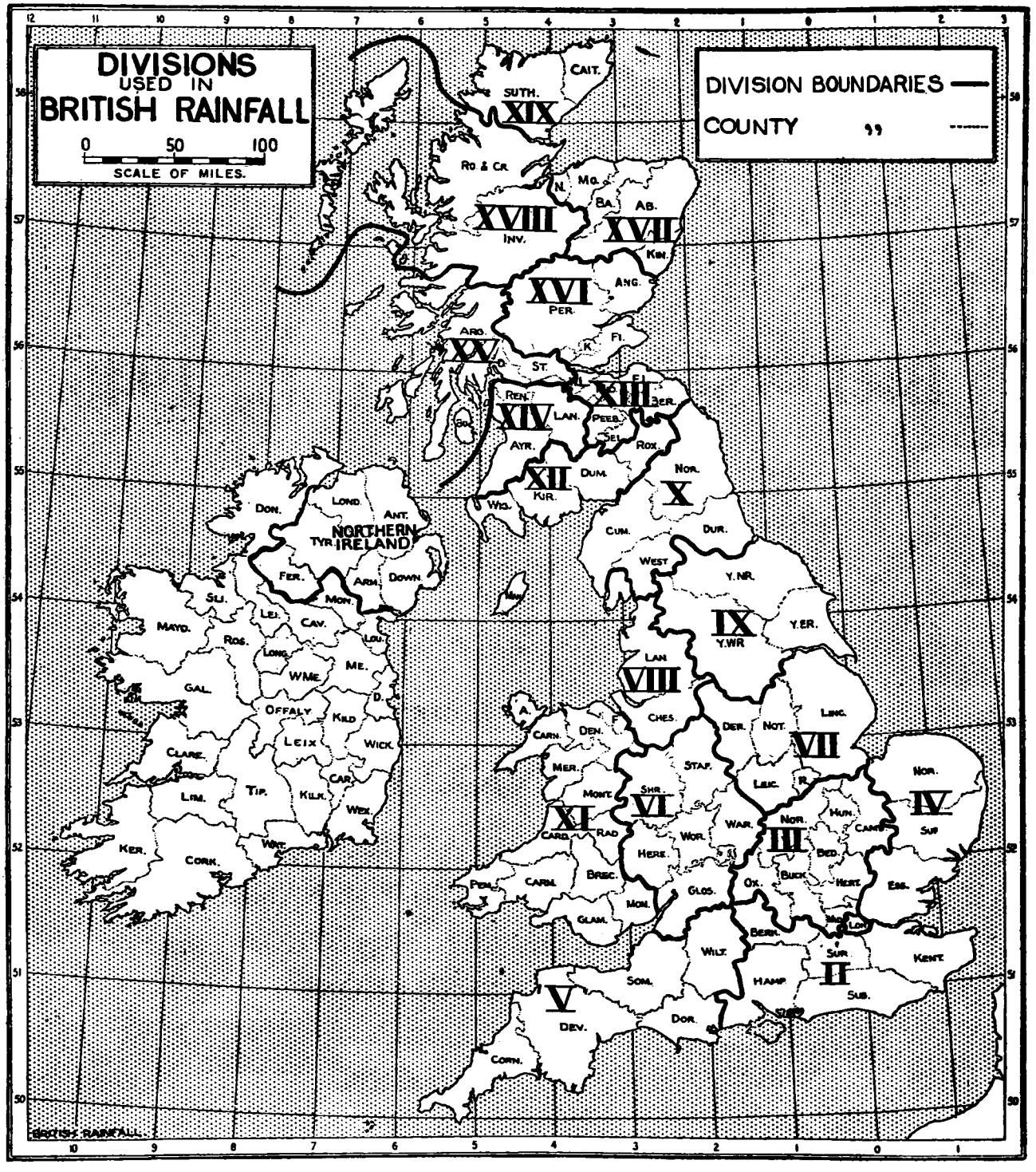
# BRITISH RAINFALL, 1946

PART II

*General Table of*

## TOTAL RAINFALL IN 1946

AT STATIONS IN GREAT BRITAIN AND NORTHERN IRELAND WITH THE NAMES OF THE OBSERVERS OR OTHER AUTHORITIES FOR THE OBSERVATIONS


DIVISIONS
USED IN
BRITISH RAINFALL
0 50 100
SCALE OF MILES.
DIVISION BOUNDARIES
COUNTY
XIX
XVIII
XVII
XVI
XV
XIII
XIV
XII
X
IX
VIII
VII
VI
XI
IV
III
II
V
CAIT.
SUTH.
Ro & Cr.
N.
Mo.
Ba.
AB.
INV.
Kin.
ANG.
PER.
ARG.
K.
Fi.
ST.
REN.
BER.
LAN.
PEEB.
SEL.
ROX.
AYR.
DUM.
KIR.
WIG.
NOR.
CUM.
DUR.
WEST
Y.NR.
Y.ER.
Y.WR
LAN
CHES.
DER.
NOT.
LINC.
DEN.
CARN.
MER.
STAF.
SHR.
MONT.
LEIC.
R.
NOR.
HUN.
CAMB.
SUF
WOR.
WAR.
CARD.
RAD
HERE.
BREC.
PEM.
CARM.
GLOS.
MON.
GLAM.
OX.
BUCK.
HERT.
ESS.
BED.
BERK.
WILT.
SUR.
KENT.
SOM.
HAMP
SUS.
DOR.
DEV.
CORN.
DON.
LOND
ANT.
NORTHERN IRELAND
TYR.
FER.
ARM.
DOWN
MON.
SLI.
LEI.
CAV.
LOU.
MAYO.
ROS.
LONG.
WME.
ME.
GAL.
OFFALY
KILD
WICK.
LEIX
CLARE.
LIM.
TIP.
KILK.
CAR.
WEX.
WAT.
KER.
CORK.
BRITISH RAINFALL

# General Table of Total Rainfall in 1946

## EXPLANATORY NOTE

The Divisions of Great Britain in the General Table are the same as those adopted by the Registrars-General of England and Scotland. They are shown on the map facing this page.

The counties are divided up into numbered areas, corresponding to the river-basins. An account of these river-divisions for England and Wales was given in a special article in Part I of *British Rainfall*, 1910 (pp. 37–66), and a similar article on the river-divisions of Scotland and Ireland appeared in Part I of *British Rainfall*, 1911 (pp. 40–72), with detailed maps showing all the river-divisions in each Division. Lists were also included showing the various river-divisions in each of the main catchment areas over the British Isles. The areas of the river basins of the Great Ouse and tributaries in Norfolk and Cambridge were redetermined in 1928; the values printed in this volume and in the volume for 1927 differ slightly from those published in *British Rainfall* from 1910 to 1926. The sequence of river divisions in Great Britain proceeds anti-clockwise from the Solway Firth. For example, in the West Riding of Yorkshire we have four divisions for rivers flowing to the Irish Sea, followed by eight divisions for rivers tributary to the Humber.

The stations in each river-division are arranged nearly in the order of their latitude from South to North. For convenience, the first name defining a station is that of a place which can be found on any large scale map; occasionally it is in an adjoining county. The second name is added to fix the site of observation more closely, *e.g.*, "Godalming (Burgate)" means Burgate, near Godalming.

An index of River Basins, indicating the various river divisions in each county included in the main river basins of the British Isles, was included after this Explanatory Note in *British Rainfall*, 1937 and 1938.

Stations the names of which are printed in small capitals, *e.g.*, KENSINGTON PALACE, are climatological stations in association with the Meteorological Office.* For the majority of these a summary of the climatological observations is printed in the *Monthly Weather Report*.

In some cases the records have been received from a local rainfall organization. This has been indicated by a footnote.

The letter D signifies that daily observations have been received and are complete for the year; d, that less complete daily records have been received; w indicates that weekly readings have been received, and M that the gauge is read only once a month, usually on the 1st.

(R) denotes that the gauge is a mechanical one the correct reading of which depends on the mechanism being in working order.

The use of mechanical gauges for measuring the total rainfall is not recommended by the Meteorological Office and the number of records marked (R) is therefore small.

* In the case of Division I small capitals are also used to indicate the names of London Boroughs.

(+A) denotes that the amount of rainfall is taken from an ordinary gauge but that the equipment also includes an autographic instrument.

Gauges which have been inspected and found to be over-exposed on moorland have been so marked. It is likely that there are other gauges (notably some of those at lighthouses) which are also over-exposed.

A column giving the annual average rainfall expressed to the nearest tenth of an inch has been included since 1926. The averages are printed in ordinary type if they are either the mean of the annual values for the standard period 1881 to 1915, or, in the case of shorter records, if they have been reduced by the accepted method to the standard period. In such cases all the available information has been used in the computation of the averages, means for stations with short records being weighted to the standard period 1881 to 1915 by comparison with nearby stations with records complete from 1881 to date. If the computation has been made outside the office the average is printed in italics, since it may subsequently be revised slightly. The average is also given in italics if it is the mean for twenty or more years other than the standard period or if the mean has been weighted to some other period. Averages for the standard period of 35 years 1881 to 1915, are always preferred for entry in the table. Many of the averages printed in italics have been kindly computed by Mr. H. P. Cornish of Keswick and these are weighted to the standard period 1881 to 1915.

A few entries of total rain will be found in brackets—indicating that the values have been corrected, *e.g.*, when appreciable snow has been lost, when the amount for a short period has been computed from other records, or when the gauge has been moved a short distance during the year. A record is not as a rule printed if the gauge has been moved more than a mile, or if there is a greater difference than 50 ft. of altitude between the two positions.

A note of interrogation(?) implies doubt, not necessarily error. The absence of information is indicated by ...

# COUNTY INDEX TO GENERAL TABLE

## ENGLAND


| | | |
|---|---|---|
| Bedford .. .. .. 115 | Hereford .. .. .. 137 | Oxford .. .. .. 112 |
| Berkshire .. .. 107 | Hertford .. .. .. 109 | Rutland .. .. .. 144 |
| Buckingham .. .. 111 | Huntingdon .. .. 115 | Shropshire .. .. 138 |
| Cambridge .. .. 116 | Kent .. .. .. 97 | Somerset .. .. .. 131 |
| Cheshire .. .. .. 150 | Lancashire .. .. 152 | Stafford .. .. .. 139 |
| Cornwall and Scilly .. 130 | Leicester .. .. .. 143 | Suffolk .. .. .. 119 |
| Cumberland .. .. 169 | Lincoln .. .. .. 144 | Surrey .. .. .. 93 |
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| Essex .. .. .. 117 | Northampton .. .. 113 | Worcester .. .. 140 |
| Gloucester .. .. 135 | Northumberland.. .. 168 | Yorkshire.. .. .. 158 |
| Hampshire .. .. 104 | Nottingham .. .. 146 | |


## WALES


| | | |
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# England and Wales

## DIVISION I—LONDON (Area 117 sq. mi.)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **1.—THAMES. Right Bank Tributaries. 67 sq. mi.** | | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | BERMONDSEY | | | | | | | | | |
| D | Southwark Park | | London County Council | 5 | 1 0 | 9 | 24·4 | 26·28 | 172 | 131 |
| | LAMBETH | | | | | | | | | |
| D | Brockwell Park | (+A) | London County Council | 5 | 1 0 | 144 | 23·8 | 26·09 | 167 | 131 |
| D | Brixton Hill Reservoir | | Met. Water Board | 5 | 1 0 | 121 | 23·9 | 26·40 | 167 | 132 |
| | BATTERSEA | | | | | | | | | |
| D | Battersea Park | | London County Council | 5 | 1 0 | 13 | 23·2 | 25·55 | 154 | 126 |
| | WANDSWORTH | | | | | | | | | |
| D | Streatham (Conyers Road) | | Met. Water Board | 5 | 1 0 | 119 | 23·3 | 27·12 | 162 | 129 |
| D | Streatham (Woodbourne Avenue) | | G. E. Patston, Esq. | 5 | 1 0 | 130 | ... | 29·09 | 178 | 134 |
| D | Streatham Hill Reservoir | | Met. Water Board | 5 | 1 0 | 205 | 23·3 | 27·71 | 170 | 136 |
| D | Putney Heath Reservoir | (+A) | Met. Water Board | 5 | 1 0 | 179 | ... | 29·60 | 182 | 135 |
| D | Streatham (Furzedown Rec. Grd.) | | H. W. Tee, Esq., C.E. | 5 | 1 6 | 89 | 24·7 | 28·06 | 174 | 135 |
| D | Southfields (Coronation Gds.) | | H. W. Tee, Esq., C.E. | 5 | 1 6 | 37 | 23·6 | 28·27 | 183 | 137 |
| | CAMBERWELL | | | | | | | | | |
| D | Nunhead (Nunhead Reservoir) | | Met. Water Board | 5 | 1 0 | 175 | ... | 25·10 | 156 | 126 |
| | DEPTFORD | | | | | | | | | |
| D | Telegraph Hill | | London County Council | 5 | 1 0 | 155 | ... | 25·39 | 176 | 134 |
| d | Waterworks | | Met. Water Board | 5 | 1 0 | 20 | 23·0 | 26·39 | 149 | 128 |
| | GREENWICH | | | | | | | | | |
| D | Deptford Pumping Station | (+A) | London County Council | 8 | 2 8 | 13 | 22·4 | 25·68 | 166 | 128 |
| D | ROYAL OBSERVATORY | | The Astronomer Royal | 8 | 0 5 | 149 | 23·5 | 27·73 | 184 | 140 |
| | CATFORD | | | | | | | | | |
| D | Catford Hill (Exbury Road) | | Rev. T. R. Price, M.A. | 8 | 1 3 | 66 | ... | 28·24 | 165 | 135 |
| | LEWISHAM | | | | | | | | | |
| D | Forest Hill Reservoir | (+A) | Met. Water Board | 5 | 1 0 | 339 | ... | 28·61 | 157 | 137 |
| | WOOLWICH | | | | | | | | | |
| d | §Eltham (High Street) | (+A) | Met. Water Board | 5 | 1 0 | 245 | 23·2 | 28·13 | ... | ... |
| | **2.—THAMES. Left Bank Tributaries. 50 sq. mi.** | | | | | | | | | |
| | KENSINGTON | | | | | | | | | |
| D | Holland House | | Mr. P. B. Rintoul | 5 | 1 0 | 68 | 23·9 | 30·21 | 154 | 139 |
| D | Kensington (Bedford Gardens) | | Mrs. J. H. Sharp | 5 | 1 8 | ... | ... | 30·73 | 183 | 138 |
| D | KENSINGTON PALACE | (+A) | H.M.O.W. (M.O.) | 8 | 1 0 | 80 | 24·2 | 29·75 | 168 | 132 |
| | HAMMERSMITH | | | | | | | | | |
| D | Pumping Station | | London County Council | 5 | 6 0 | 19 | 23·2 | 28·27 | 175 | 131 |
| | FULHAM | | | | | | | | | |
| D | Bishops Park | (+A) | Borough Engineer | 5 | 1 4 | 15 | 22·6 | 27·87 | 165 | 138 |

§ Turf wall round gauge.

## DIVISION I—LONDON—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **2.—THAMES. Left Bank Tributaries—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | CHELSEA | | | | | | | | |
| D | Physic Garden | G. S. Boon, Esq. | 5 | 1 0 | 20 | 23·4 | 26·68 | 159 | 131 |
| | WESTMINSTER | | | | | | | | |
| D | Western Pumping Station | (+A) London County Council | 8 | 1 0 | 19 | ... | 26·42 | 148 | 125 |
| D | Buckingham Palace | Mr. A. J. Cole | 5 | 8 0 | 35 | 23·5 | 29·67 | 161 | 141 |
| D | ST. JAMES'S PARK | (+A) H.M.O.W.(M.O.) | 8 | 1 0 | 27 | 23·2 | 25·95 | 182 | 131 |
| | ST. MARYLEBONE | | | | | | | | |
| D | REGENT'S PARK | H.M.O.W. (M.O.) | 5 | 1 0 | 129 | ... | 29·21 | 156 | 132 |
| | HAMPSTEAD | | | | | | | | |
| D | Kidderpore Reservoir | Met. Water Board | 5 | 1 0 | 328 | ... | 33·61 | 170 | 147 |
| D | OBSERVATORY | (+A) Hampstead Scientific Soc. (E. L. Hawke, Esq., M.A.) | 8 | 1 0 | 450 | ... | 33·84 | 180 | 143 |
| D | Golders Hill Park | London County Council | 5 | 1 0 | 350 | 26·2 | 35·58 | 173 | 141 |
| | ST. PANCRAS | | | | | | | | |
| D | CAMDEN SQUARE | (+A) Royal Meteorological Soc. | 5 | 1 0 | 110 | 24·5 | 29·51 | 166 | 136 |
| | STOKE NEWINGTON | | | | | | | | |
| D | New River Filter Beds | Met. Water Board | 5 | 1 0 | 101 | 23·1 | 28·29 | 164 | 132 |
| D | New River Reservoirs | (+A) Met. Water Board | 5 | 1 0 | 105 | 23·5 | 28·26 | 161 | 125 |
| | HACKNEY | | | | | | | | |
| D | Clapton Pond | (+A) Borough Engineer | 5 | 1 0 | 68 | 22·8 | 28·47 | 172 | 132 |
| | FINSBURY | | | | | | | | |
| D | New River Head | (+A) Met. Water Board | 5 | 1 0 | 95 | ... | 27·19 | 152 | 129 |
| | BETHNAL GREEN | | | | | | | | |
| d | Victoria Park | London County Council | 5 | 1 0 | 43 | 23·1 | 28·31 | ... | 123 |
| | POPLAR | | | | | | | | |
| D | Isle of Dogs (Island Gardens) | London County Council | 5 | 1 0 | 18 | 21·9 | 26·69 | 180 | 131 |
| D | Old Ford Pumping Station | Met. Water Board | 8 | 0 9 | 19 | 22·9 | 26·95 | 172 | 139 |
| D | Old Ford (Penstock House) | London County Council | 8 | 0 10 | 39 | ... | 25·19 | 163 | 124 |
| | WOOLWICH | | | | | | | | |
| D | Barking Outfall | London County Council | 5 | 0 10 | 24 | 20·8 | 25·59 | 160 | 127 |

## DIVISION II—SOUTH-EASTERN COUNTIES

**SURREY. (Area, 725 sq. mi.)**

**1.—ARUN. 45 sq. mi.**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| D | Chiddingfold (Chiddingfold Ho.) | L. J. E. Hooper, Esq. | 5 | 0 9 | 200 | *31·0* | 38·26 | 173 | 132 |
| d | Godalming (Burgate) | Major J. Godman | 5 | 1* 1 | 320 | ... | 35·76 | ... | 134 |

**2.—MEDWAY. 50 sq. mi.**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| D | East Grinstead (Lockeridge) | Lt. Col. J. F. Forbes, D.S.O. | 5 | 1 0 | 320 | *31·6* | 39·39 | 178 | 147 |
| D | Dormans Park (Chartham Park) | I. D. Margary, Esq. | 5 | 1 0 | 270 | *31·2* | 39·45 | 185 | 147 |
| D | Dormans Park (Hill Crest) | Dr. H. R. Mill | 5 | 1 0 | 320 | *32·1* | 43·18 | 212 | 165 |
| D | Dormans Park (Yew Lodge) | Mrs. I. D. Margary | 5 | 1 0 | 260 | *30·6* | 39·26 | 185 | 145 |
| D | Dormansland (The Vicarage) | Mrs. D. L. P. Shattock | 5 | 1 0 | 330 | ... | 38·73 | 186 | 144 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with .01 in. or more | Days with .04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | SURREY—(*contd.*). | | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | 2.—MEDWAY—(*contd.*). | | | | | | | | | |
| D | Lingfield (Sewage Works) ... | (+A) | Godstone R.D.C.* ... ... | 5 | 1 0 | 155 | ... | 33·56 | 186 | 140 |
| d | Limpsfield (Red Lane Farm) ... | | ... Capt. B. Crewdson ... | 5 | 1 0 | 281 | ... | 35·27? | ... | ... |
| | Limpsfield (Kent Hatch Res.) | | ... East Surrey Water Co. ... | 5 | 1 0 | 664 | ... | 41·16 | ... | ... |
| D | Godstone ... ... ... | | ... C. J. Salter, Esq. ... ... | 5 | 1 6 | 400 | 30·7 | 40·58 | 208 | 161 |
| | 3.—THAMES. Darent. 22 sq. mi. | | | | | | | | | |
| | Limpsfield (The Chart) ... | | ... E. G. Ingold, Esq. ... ... | 5 | 1 0 | 570 | ... | 34·04 | ... | ... |
| D | Westwood (Pumping Station) | | ... East Surrey Water Co. ... | 5 | 1 0 | 418 | 28·5 | 40·85 | 205 | 162 |
| D | Farleigh (Croydon Ment. Hosp.) | | ... Croydon Corporation ... | 8 | 1 0 | 100 | 32·0 | 35·40 | 182 | 152 |
| D | Addington (Hares Bk. Pump. Sta.) | | ... Croydon Corporation ... | 8 | 1 0 | 331 | 28·4 | 31·91 | 172 | 140 |
| D | ADDINGTON HILLS RESERVOIR | | ... Croydon Corporation ... | 8 | 1 0 | 472 | 27·9 | 33·44 | 175 | 141 |
| D | Addington (Golf Club) ... | | ... Secretary ... ... ... | 5 | 1 2 | 380 | ... | 32·12 | 160 | 139 |
| | 4.—THAMES. Wandle. 71 sq. mi. | | | | | | | | | |
| D | Kingswood (Margery Hall Res.) | | ... Sutton District Water Co. | 5 | 1 0 | 691 | 30·2 | 36·26 | 207 | 145 |
| | Woldingham Reservoir ... | | ... East Surrey Water Co. ... | 5 | 1 0 | 841 | 32·9 | 42·59 | ... | ... |
| D | Caterham Reservoir ... ... | | ... East Surrey Water Co. ... | 5 | 1 0 | 704 | 32·5 | 38·61 | 187 | 150 |
| D | Caterham (Alderstead Hth.) ... | (+A) | Coulsdon & Purley U.D.C.* | 5 | 1 0 | 577 | ... | 38·71 | 194 | 150 |
| D | Chelsham & Woldingham W.W. | | ... East Surrey Water Co. ... | 5 | 1 0 | 478 | 32·5 | 38·35 | 185 | 151 |
| D | Caterham (White Knobs Way) | | ... Miss V. K. Isaac ... ... | 5 | 1 0 | 500 | ... | 40·27 | 198 | 150 |
| D | Chipstead (South Lodge) ... | | ... G. R. Rudolf, Esq. ... | 8 | 1 1 | 550 | 30·8 | 35·74 | 195 | 142 |
| D | Banstead (Burgh Heath Res.) | | ... Sutton District Water Co. | 5 | 1 0 | 582 | 30·8 | 35·65 | 183 | 137 |
| D | Chipstead (How Green Res.) ... | | ... Sutton District Water Co. | 5 | 1 0 | 528 | 31·1 | 38·09 | 205 | 146 |
| D | Coulsdon (The Vale) ... ... | | ... H. E. W. Hollobone, Esq. | 5 | 1 6 | 318 | ... | 35·36 | 172 | 139 |
| d | Kenley (Refuse Disposal Wks.) | | ... Surveyor ... ... ... | 5 | 1 0 | 290 | *29·7* | 37·21 | ... | ... |
| D | Kenley (Pumping Station) ... | | ... East Surrey Water Co. ... | 5 | 1 0 | 275 | 29·0 | 35·21 | 179 | 145 |
| D | Coulsdon (Coulsdon Rise) ... | | ... C. Knight, Esq. ... ... | 5 | 0 6 | 350 | 30·4 | 36·39 | 189 | 139 |
| D | Woodcote Park Golf Club ... | (+A) | Coulsdon & Purley U.D.C.* | 5 | 1 0 | 450 | ... | 35·11 | 196 | 149 |
| d | Purley (Selcroft Road) ... | | ... E. W. Finch, Esq. ... ... | 5 | 1 0 | 400 | 28·7 | 32·79 | 180 | 138 |
| D | Purley (Woodcote Valley Rd.) | | ... C. Stuart Bailey, Esq. ... | 5 | 1 0 | 310 | 29·5 | 34·72 | 180 | 139 |
| D | Purley (Pumping Station) ... | | ... East Surrey Water Co. ... | 5 | 1 0 | 214 | 29·3 | 34·60 | 174 | 138 |
| D | Sanderstead (Beechwood Rd.) | | ... G. M. Davies, Esq.... ... | 5 | 1 0 | 320 | ... | 34·87 | 179 | 139 |
| D | CROYDON (Airport) ... ... | (+A) | Meteorological Office ... | 8 | 1 0 | 217 | 26·7 | 32·42 | 177 | 135 |
| D | Croydon (Croham Valley Road) | | ... Mrs. F. A. Reynolds ... | 5 | 1 0 | 350 | ... | 34·30 | 182 | 137 |
| D | Carshalton (Pumping Station) | | ... Surveyor, U.D.C. ... ... | 5 | 1 0 | 83 | 25·9 | 29·07 | 176 | 140 |
| D | Beddington (Sewage Farm) ... | | ... Croydon Corporation ... | 5 | 1 0 | 129 | 24·5 | 28·40 | 171 | 132 |
| D | Beddington Park ... ... | (+A) | Borough Council* ... ... | 5 | 1 0 | 108 | ... | 28·20 | 170 | 135 |
| D | Croydon (Northampton Road) | | ... Mrs. Higgins ... ... | 5 | 1 0 | 210 | 26·9 | 29·93 | 178 | 126 |
| d | Beddington Corner (Millgreen Rd.) | | ... Messrs. G. Miller & Son ... | 5 | 2 3 | 77 | ... | 28·66 | 152 | 137 |
| D | Mitcham (London Road) ... | (+A) | Mitcham Borough Council* | 5 | 0 11 | 62 | ... | 26·37 | 179 | 131 |
| D | Wimbledon (Durnsford Rd.) ... | (+A) | T. Webster, Esq., C.E.* ... | 5 | 1 0 | 58 | ... | 24·58 | 160 | 125 |
| | 5.—THAMES. Mole & c. 229 sq. mi. | | | | | | | | | |
| D | Horley (Cranleigh) ... ... | | ... W. W. Hughes-D'Aeth, Esq. | 5 | 0 9 | 230 | ... | 33·36 | 160 | 132 |
| D | Horley (Langshott) ... ... | | ... Dr. B. Jackson Taylor ... | 5 | 1 6 | 200 | ... | 34·59 | 161 | 147 |
| D | Dorking (Bramerton) .... ... | | ... Rev. Jas. F. Twist ... ... | 5 | 1 0 | 300 | 32·1 | 37·66 | 173 | 132 |
| D | Ranmore (Denbies) ... ... | | ... S. C. Westbrook, Esq. ... | 5 | 1 0 | 620 | ... | 38·25 | 190 | 148 |
| D | Dorking (Pixham Lane S. Wks.) | (+A) | Dorking U.D.C.* ... ... | 5 | 1 0 | 138 | 29·8 | 35·92 | 180 | 138 |

* Per Surrey County Council.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **SURREY—(*contd.*).** | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—THAMES. Mole & c.—(*contd.*).** | | | | | | | | | |
| D | Earlswood (Sewage Farm) ... | (+A) | G. G. Sanderson, Esq., C.E.* | 5 | 1 6 | 196 | 27·2 | 34·28 | 182 | 140 |
| D | Redhill (London Road) ... | | East Surrey Water Co. ... | 5 | 1 0 | 270 | 28·4 | 36·31 | 194 | 148 |
| D | Reigate (Wray Park Road) ... | | W. J. MacAndrew, Esq. ... | 5 | 1 0 | 330 | 29·8 | 37·02 | 185 | 142 |
| D | Reigate (Castle Grounds) ... | | G. G. Sanderson, Esq., C.E. | 5 | 1 4 | 320 | 29·3 | 34·94 | 169 | 142 |
| D | Reigate (Raglan Rd.) ... ... | | J. Mackrell, Esq. ... ... | 5 | 1 1 | 450 | 30·4 | 38·55 | 203 | 150 |
| D | Merstham (Gatton Point) ... | | C. F. Bull, Esq. ... ... | 5 | 1 0 | 300 | 29·2 | 36·17 | 198 | 146 |
| D | Headley Reservoir ... ... | | East Surrey Water Co. ... | 5 | 1 0 | 629 | *32·0* | 38·33 | 194 | 142 |
| D | Merstham (Merstham Lodge) | | J. F. E. Goad, Esq. ... | 5 | 0 11 | 500 | ... | 38·35 | 210 | 156 |
| d | Headley (The Hurst) ... ... | | Mrs. Lyall ... ... ... | 5 | 1 0 | 420 | 30·6 | 35·69 | 182 | 143 |
| D | Walton-on-the-Hill ... ... | | Mr. J. Millichamp ... ... | 5 | 1 0 | 600 | 30·4 | 36·82 | 196 | 141 |
| D | Leatherhead (Elmer Softening Wks.) | | East Surrey Water Co. ... | 5 | 1 0 | 168 | ... | 33·55 | 181 | 135 |
| D | Tadworth ... ... ... | | C. H. L. Blaxland, Esq. ... | 5 | 1 4 | 500 | *31·7* | 37·56 | 197 | 153 |
| D | Tadworth (Pumping Station) ... | | Banstead U.D.C. ... ... | 5 | 1 0 | 405 | ... | 34·56 | 193 | 140 |
| D | Ashtead (Park Lane) ... ... | | G. R. Crompton, Esq. ... | 8 | 1 0 | 318 | ... | 32·54 | 181 | 133 |
| D | Leatherhead (Sewage Works) | (+A) | F. J. Southam, Esq.* ... | 5 | 1 0 | 104 | ... | 32·40 | 171 | 132 |
| D | Epsom (Downs Road) ... | | T. N. Young, Esq. ... ... | 5 | 0 6 | 400 | ... | 31·62 | 179 | 136 |
| D | Epsom College ... ... ... | | M. R. L. Long, Esq. ... | 8 | 1 0 | 300 | 26·9 | 30·34 | 176 | 124 |
| D | Cobham (Sewage Works) ... | | Esher U.D.C. ... ... | 8 | 1 9 | 110 | ... | 29·49 | 176 | 137 |
| D | Banstead Grange ... ... | | Mrs. Powell ... ... | 5 | 0 10 | 390 | ... | 35·49 | 182 | 147 |
| D | Epsom (Sewage Farm) ... | | Surveyor* ... ... ... | 8 | 1 0 | 125 | ... | 29·20 | 179 | 135 |
| D | Epsom (Water Works) ... | | T. N. Young, Esq. ... ... | 5 | 0 6 | 150 | ... | 29·80 | 173 | 133 |
| D | Whiteley Village ... ... | | Whiteley Homes Trust ... | 8 | 3 4 | 195 | 24·3 | 30·01 | 189 | 141 |
| D | Cobham (Uplands) ... ... | | R. S. Morrish, Esq. ... | 5 | 0 8 | 180 | ... | 31·46 | 202 | 146 |
| D | Epsom (Long Grove Ho.) ... | | Dr. F. G. L. Barnes ... | 5 | 1 0 | 130 | ... | 29·01 | 184 | 131 |
| | Claygate (Claygate House) ... | | Mrs. F. Parkhurst ... ... | 5 | 0 7 | 100 | ... | 30·42 | ... | ... |
| D | Claygate (Hertslets) ... ... | | N. C. Armitage, Esq. ... | 5 | 1 0 | 106 | 23·8 | 28·32 | 195 | 130 |
| D | Sutton (Waterworks) ... ... | | Sutton District Water Co. | 5 | 1 0 | 161 | 25·4 | 29·21 | 170 | 142 |
| D | Sutton (Sewage Works) ... | (+A) | N. H. Michell, Esq., C.E.* | 5 | 1 0 | 99 | 24·7 | 27·98 | 181 | 135 |
| D | Epsom (Ruxley Lane S. Wks.) | (+A) | Surveyor* ... ... ... | 5 | 1 6 | 76 | ... | 28·32 | 161 | 131 |
| D | Weybridge (Weyland S. Wks.) | (+A) | Walton&WeybridgeU.D.C.* | 5 | 1 0 | 50 | ... | 28·23 | 170 | 135 |
| | Worcester Park (Church Rd.) | | L. W. Carpenter, Esq. ... | 5 | 1 0 | 100 | ... | 29·03 | ... | ... |
| D | Esher (Sewage Farm) ... ... | | Esher U.D.C. ... ... | 5 | 2 0 | 44 | ... | 29·94 | 157 | 127 |
| D | Worcester Park (Sewage Wks.) | (+A) | N. H. Michell, Esq., C.E.* | 5 | 1 0 | 68 | 24·4 | 28·75 | 178 | 130 |
| D | Old Malden (Sports Ground) | (+A) | Malden & Coombe B.C.* ... | 5 | 0 8 | 64 | ... | 28·99 | 172 | 135 |
| D | Morden Hall ... ... ... | | R. W. North, Esq., C.E.* ... | 5 | 1 2 | 117 | ... | 27·85 | 174 | 132 |
| D | Surbiton (Seething Wells) ... | | Met. Water Board ... ... | 5 | 0 10 | 34 | 24·5 | 30·14 | 175 | 138 |
| D | Surbiton (Sewage Disp. Wks.) | (+A) | Borough Engineer ... ... | 5 | 1 0 | 51 | ... | 26·83 | 171 | 132 |
| D | West Molesey (Walton Works) | | Met. Water Board ... ... | 5 | 1 0 | 35 | 23·1 | 28·88 | 155 | 124 |
| D | New Malden (Sewage Wks.) ... | (+A) | Malden & Coombe B.C.* ... | 5 | 0 10 | 51 | 22·8 | 27·24 | 173 | 132 |
| D | Wimbledon (Spencer Hill) ... | | Norman S. Gardiner, Esq. | 5 | 1 0 | 80 | ... | 28·94 | 165 | 139 |
| D | New Malden (High Drive) ... | | Mrs. Ben. G. Brame ... | 5 | 1 0 | 60 | *24·1* | 28·13 | 177 | 131 |
| D | New Malden (Orchard Avenue) | | A. C. Josling, Esq. ... ... | 5 | 1 0 | 50 | ... | 30·08 | 199 | 144 |
| D | Kingston Sewage Works ... | (+A) | P. G. Lloyd, Esq.,*... ... | 5 | 1 8 | 25 | 22·7 | 28·54 | 159 | 131 |
| D | Merton Park (Mostyn Road) ... | | A. T. Bench, Esq. ... ... | 5 | 1 0 | 55 | ... | 28·87 | 187 | 128 |
| D | Merton Park (Innes Hort. Inst.) | | Garden Superintendent ... | 5 | 1 0 | 55 | *23·6* | 26·98 | 162 | 135 |
| D | Merton (Joseph Hood Rec. Gd.) | | R. W. North, Esq., C.E. ... | 5 | 1 0 | 48 | *23·5* | 26·63 | 172 | 135 |
| D | Raynes Park (Cottenham Pk. P.S.) | | T. Webster, Esq., C.E.* ... | 5 | 1 0 | 50 | *23·8* | 28·35 | 169 | 132 |
| D | Wimbledon (West Side) ... | | E. K. Wilson, Esq. ... | 5 | 1 0 | 160 | *24·4* | 28·07 | 178 | 142 |
| D | Malden (Kingston Vale) ... | | Malden & Coombe B.C.* ... | 5 | 1 1 | 47 | ... | 29·46 | 176 | 153 |
| D | Richmond (Terrace Gardens) | | G. Humphreys, Esq. ... | 5 | 1 3 | 29 | *23·5* | 31·05 | 173 | 133 |
| D | East Sheen Cemetery ... ... | (+A) | Barnes Corporation* ... | 5 | 0 10 | 88 | ... | 30·73 | 158 | 130 |
| D | KEW OBSERVATORY ... ... | (+A) | Meteorological Office ... | 8 | 1 0 | 18 | 23·8 | 30·55 | 167 | 133 |
| D | Kew (Royal Botanic Gardens) | | Director ... ... ... | 8 | 0 8 | 16 | 23·4 | 30·83 | 169 | 136 |
| D | Barnes (Barn Elms) ... ... | | Met. Water Board ... | 5 | 1 0 | 16 | 22·9 | 29·32 | 170 | 139 |

* Per Surrey County Council.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SURREY—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **6.—THAMES. Wey. 236 sq. mi.** | | | | | | | | |
| D | Shottermill (Sewage Works) | (+A) Surveyor* | 5 | 1 | 7 | 381 | *35·2* | 42·97 | 204 | 147 |
| D | Haslemere (Church Hill) | T. M. Shewell, Esq. | 5 | 1 | 0 | 520 | ... | 44·08 | 179 | 149 |
| D | Hindhead Waterworks | Wey Valley Water Co. | 5 | 1 | 0 | 839 | *34·5* | 44·95 | 202 | 152 |
| D | Oakwood Hill (Honeywood Ho.) | The Lady Tredegar | 5 | 1 | 0 | 225 | *29·2* | 38·23 | 189 | 139 |
| D | Churt (Firdown) | W. E. Livock, Esq. | 5 | 1 | 0 | 490 | ... | 42·53 | 180 | 140 |
| D | Hambledon (Chart Cottage) | M. Brodie Hoare, Esq. | 5 | 1 | 0 | 300 | ... | 36·58 | 162 | 145 |
| D | Cranleigh (Lambswood) | Cranleigh Water Co. | 5 | 0 | 10 | 300 | ... | 38·17 | 179 | 147 |
| D | Hascombe Place | C. T. Musgrave, Esq. | 5 | 1 | 0 | 361 | 31·7 | 39·10 | 188 | 139 |
| D | Hascombe Court | Sir John Jarvis, Bt. | 5 | 1 | 0 | 420 | *32·0* | 39·11 | 183 | 145 |
| D | Hascombe (Winkworth Hanger) | J. H. Wenham, Esq. | 5 | 1 | 0 | 430 | ... | 37·66 | 185 | 139 |
| D | Witley (King George V Sanatm.) | Dr. J. Watt | 5 | 1 | 0 | 305 | *30·7* | 37·95 | 174 | 145 |
| D | Ewhurst (The Four Winds) | Late Miss E. Brooke | 5 | 1 | 0 | 809 | *32·1* | 40·66 | 188 | 153 |
| D | Ewhurst (Woolpit) | L. J. E. Hooper, Esq. | 5 | 1 | 0 | 600 | *32·3* | 40·90 | 186 | 148 |
| D | Frensham (Spreakley Hollow) | A. R. Crossley, Esq. | 5 | 1 | 0 | 200 | *29·9* | 38·61 | 178 | 139 |
| D | Milford (Manor Wood) | G. S. Unwin, Esq. | 5 | 1 | 0 | 200 | ... | 36·95 | 191 | 133 |
| d | Godalming (Munstead Heath) | Mrs. M. M. Hodsoll | 5 | 1 | 0 | 550 | *30·3* | 34·88 | ... | 129 |
| D | Godalming (Ockford P.S.) | Engineer and Manager | 8 | 1 | 0 | 152 | ... | 36·84 | 175 | 134 |
| D | MILFORD (Kennel Moor) | Dr. G. S. Sansom | 5 | 1 | 0 | 180 | ... | 37·94 | 188 | 137 |
| D | Godalming (Kingscote) | Rev. F. P. Synge | 5 | 2 | 0 | 280 | ... | 35·68 | 194 | 140 |
| D | Godalming (Borough Road P.S.) | Engineer and Manager | 8 | 1 | 0 | 120 | *28·7* | 35·39 | 173 | 140 |
| D | Godalming (Chalk Road) | Rev. W. Havard-Jones | 5 | 0 | 9 | 150 | *28·6* | 35·27 | 188 | 142 |
| D | Godalming (Charterhouse) | O. H. Latter, Esq. | 5 | 1 | 0 | 130 | *28·7* | 34·78 | 191 | 140 |
| D | Farnham (Rowledge) | A. Hampton Brown, Esq. | 5 | 1 | 0 | 300 | ... | 38·51 | 191 | 137 |
| D | FARNHAM (BOUNDSTONE) | A. Hampton Brown, Esq. | 5 | 1 | 0 | 370 | *29·2* | 37·71 | 192 | 142 |
| D | Tilford (Brownholm) | Mrs. H. G. King | 5 | 1 | 0 | 275 | ... | 36·27 | 176 | 141 |
| D | Holmbury St. Mary (Feldemore) | Mr. W. E. Hobday | 5 | 2 | 0 | 500 | *32·0* | 42·46 | 188 | 143 |
| D | Shackleford (Hall Place) | F. F. Hill, Esq. | 8 | 1 | 2 | 200 | *28·0* | 38·25 | 159 | 131 |
| D | Peaslake (Southcots) | J. S. Moffat, Esq. | 5 | 1 | 0 | 420 | *33·1* | 41·77 | 217 | 154 |
| D | Bramley | W. H. Morgan, Esq. | 5 | 1 | 3 | 132 | ... | 34·23 | 187 | 139 |
| D | Abinger Common (Goddards) | J. A. Gibbs, Esq. | 5 | 1 | 0 | 586 | *32·3* | 43·54 | 187 | 146 |
| D | Abinger Hall | Lord Farrer | 8 | 1 | 8 | 300 | ... | 37·52 | 171 | 124 |
| D | Shere (Manor House) | R. A. Bray, Esq. | 5 | 1 | 0 | 330 | *30·3* | 39·24 | 213 | 144 |
| d | Aldbury (Dalton Hill Gdns.) | Mr. J. Tidy | 5 | 1 | 0 | 250 | *28·9* | 35·66 | ... | 132 |
| D | Shalford (The Hutch) | Capt. G. C. Pentland | 5 | 1 | 2 | 180 | ... | 35·06 | 192 | 139 |
| D | Seale (The Sands) | C. A. Hopkins, Esq. | 5 | 1 | 0 | 440 | *29·6* | 37·06 | 195 | 138 |
| D | Chilworth (Braunston) | E. Ramsay, Esq. | 5 | 0 | 11 | 170 | ... | 35·46 | 193 | 133 |
| D | FARNHAM (Castle Street) | A. C. Hunt, Esq. | 5 | 1 | 0 | 256 | ... | 36·88 | 176 | 136 |
| d | Puttenham (Berthorpe) | Miss R. Tuckwell | 5 | 1 | 0 | 350 | *28·3* | 36·62 | ... | 136 |
| D | Wanborough (Greyfriar's) | Head Gardener | 5 | 1 | 0 | 400 | ... | 34·94 | 152 | 119 |
| d | Guildford (Warren Road) | Miss M. Docwra | 8 | 1 | 0 | 375 | ... | 31·98 | ... | 128 |
| D | Guildford (Avonmore Avenue) | E. T. Fulk, Esq. | 5 | 1 | 0 | 184 | ... | 32·43 | 175 | 126 |
| D | Guildford (Dunsdon Avenue) | P. R. Stuart, Esq. | 5 | 1 | 3 | 174 | ... | 33·77 | 185 | 138 |
| D | Guildford (Joseph's Rd.) | (+A) Borough Surveyor* | 5 | 1 | 2 | 98 | ... | 30·71 | 171 | 126 |
| D | Guildford (Wood Street) | J. Taylor, Esq. | 5 | 1 | 6 | 150 | *27·0* | 33·68 | 181 | 144 |
| D | Guildford (Burpham) | V. B. Longhurst, Esq. | 5 | 1 | 0 | 105 | ... | 31·72 | 186 | 130 |
| D | Normandy (The Manor House) | E. S. Hose, Esq., C.M.G. | 5 | 1 | 4 | 149 | *26·2* | 30·94 | 184 | 124 |
| D | West Clandon | J. Dalrymple, Esq., C.E. | 8 | 1 | 0 | 319 | *28·5* | 35·98 | 164 | 132 |
| D | Worplesdon (Tangley Place) | E. J. W. Jeudwine, Esq. | 5 | 1 | 10 | 150 | *25·5* | 32·59 | 176 | 132 |
| | East Horsley (Ethandown) | Basil D. Tims, Esq. | 5 | 1 | 0 | 280 | ... | 35·40 | ... | ... |
| D | Pirbright (Bakersgate) | The Hon. C. Lyle | 5 | 0 | 9 | 120 | ... | 31·34 | 165 | 127 |
| d | Worplesdon (Golf Club) | Secretary | 5 | 1 | 6 | 168 | *24·9* | 29·15 | ... | ... |
| D | Old Woking (The Gresham Press) | Unwin Bros. Ltd. | 5 | 1 | 0 | 75 | ... | 29·71 | 159 | 122 |
| D | Woking (The Grange) | Miss M. E. Wilson | 5 | 1 | 0 | 81 | ... | 31·49 | 181 | 129 |
| D | Woking (York Road) | L. C. Norris, Esq. | 5 | 1 | 0 | 120 | ... | 30·37 | 185 | 132 |

* Per Surrey County Council.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SURREY—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **6.—THAMES. Wey—(*contd.*).** | | | | | | | | |
| D | Brookwood (Bisley Camp) | J. J. O'Leary, Esq. | 5 | 4 0 | 200 | ... | 32·10 | 181 | 136 |
| D | Old Woking (Sewage Works) | Woking U.D.C. | 5 | 1 0 | 76 | *24·9* | 28·65 | 160 | 126 |
| d | Woking (Council Office) (+A) | Woking U.D.C. | 5 | 1 0 | 132 | ... | 31·70 | 173 | 133 |
| D | Woking (Percy Street) | J. Dalrymple, Esq., C.E. | 8 | 1 0 | 100 | ... | 30·22 | 165 | 129 |
| d | Woking (Goldsworth Rd. Depot) | Woking U.D.C. | 5 | 1 0 | 96 | *25·3* | 31·90 | 166 | 130 |
| D | Byfleet (WISLEY R.H.S. Gdns.) | Director | 8 | 1 0 | 150 | *24·1* | 29·17 | 183 | 131 |
| D | Wisley (Outfall Works) | Woking U.D.C. | 5 | 1 0 | 53 | *24·5* | 28·13 | 162 | 134 |
| d | West Byfleet (Scotland Bridge) | Woking U.D.C. | 5 | 1 0 | 67 | ... | 30·14 | ... | 133 |
| D | Addlestone | W. V. Davies, Esq., C.E. | 8 | 1 0 | 46 | *24·0* | 28·88 | 182 | 134 |
| D | Weybridge (Oil Mills) | A. Whittet, Esq. | 5 | 1 0 | 36 | *23·7* | 28·36 | 193 | 132 |
| D | Walton-on-Thames W.W. | West Surrey Water Co. | 5 | 1 4 | 33 | *23·0* | 27·18 | 161 | 125 |
| | **7.—THAMES. Bourne. 55 sq. mi.** | | | | | | | | |
| D | Chobham (West End) | F. A. Walter, Esq. | 5 | 1 0 | 150 | *25·8* | 32·58 | 218 | 140 |
| D | West Byfleet (N. Zealand Golf Club) | The Secretary | 5 | 1 7 | 100 | ... | 29·10 | 169 | 134 |
| D | Chobham (Little Donnystone) | W. Acworth, Esq. | 5 | 1 0 | 90 | ... | 32·78 | 162 | 129 |
| d | Bagshot | J. Waterer Sons & Crisp Ltd. | 5 | 0 11 | 265 | ... | 32·30 | 166 | 138 |
| D | Windlesham (Windlesham Ho.) | R.Adml.A.Cochrane,C.M.G. | 5 | 1 0 | 200 | *26·1* | 33·62 | 184 | 142 |
| d | Windlesham (Woodside) | A. R. F. Bosman, Esq. | 5 | 0 11 | 250 | ... | 30·73 | 150 | 126 |
| d | Weybridge (St. George's College) | Rev. C. K. Bryant | 5 | 1 0 | 46 | ... | 27·18 | ... | 121 |
| d | Chertsey (Long Cross) | Lord Brabazon of Tara | 5 | 1 6 | 35 | ... | 31·88 | 157 | 132 |
| D | Chertsey | W. V. Davies, Esq., C.E. | 8 | 1 0 | 39 | *23·3* | 29·63 | 185 | 136 |
| D | Chertsey (Abbey Meads) | J. Dalrymple, Esq., C.E. | 8 | 1 0 | 53 | *23·0* | 28·60 | 175 | 131 |
| D | Virginia Water (S. Ann's Heath) | Medical Superintendent | 8 | 1 1 | 80 | *24·5* | 32·96 | 161 | 132 |
| D | Egham (Water Works) | S.W. Suburban Water Co. | 8 | 0 3 | 55 | ... | 33·88 | 166 | 140 |
| D | Egham (Water Works) | S.W. Suburban Water Co. | 5 | 1 0 | 54 | ... | 31·96 | 166 | 139 |
| | **8.—THAMES. Loddon. 17 sq. mi.** | | | | | | | | |
| D | Frimley Pumping Station | Mid-Wessex Water Co. | 5 | 1 0 | 213 | ... | 33·29 | 176 | 133 |
| D | Camberley (The Holt) | Sir Henry Scott-Smith | 5 | 0 4 | 350 | ... | 34·96 | 179 | 148 |
| | **KENT. (Area, 1,532 sq. mi.)** | | | | | | | | |
| | **1.—ROTHER & C. 217 sq. mi.** | | | | | | | | |
| D | DUNGENESS (Lighthouse) | Chief Off'r R.N.Sig.Stn.(M.O.) | 8 | 0 11 | 20 | 24·4 | 26·35 | 169 | 129 |
| D | RYE | Meteorological Office | 5 | 1 0 | 12 | ... | 30·64 | 174 | 124 |
| D | Wittersham (Mt. Pleasant) | N. Lang Smith, Esq. | 8 | 1 0 | 200 | ... | 35·91 | 189 | 133 |
| D | Dymchurch (Slieve Truim) | D. Hamill Morton, Esq. | 5 | 1 0 | 7 | ... | 30·52 | 178 | 130 |
| d | Hawkhurst (Moor House) | F. S. Springett, Esq. | 5 | 1 0 | 210 | ... | 36·24 | ... | ... |
| D | Kenardington (The Firs) | Cmdr. F. H. Lyon, D.S.O. | 5 | 1 2 | 65 | ... | 30·35 | 182 | 133 |
| D | Tenterden (East Hill) | Urban District Council | 5 | 0 8 | 179 | ... | 34·81 | 189 | 144 |
| D | Hythe | Borough Surveyor | 5 | 0 9 | 12 | *28·0* | 32·35 | 183 | 140 |
| D | Hythe (Sandling Park) | Major A. E. Hardy | 5 | 1 0 | 260 | ... | 35·52 | 178 | 144 |
| D | Saltwood (Cylinder) | Miss M. Lethbridge | 5 | 1 0 | 230 | ... | 34·95 | 184 | 142 |
| D | Folkestone (Isolation Hospital) | Borough Engineer | 5 | 1 0 | 101 | *28·6* | 33·03 | 171 | 135 |
| D | Folkestone (Cherry Gardens) | Folkestone W.W. Co. | 5 | 1 6 | 230 | *29·1* | 36·23 | 192 | 136 |
| D | Alkham (Lower Standen) | Folkestone W.W. Co. | 5 | 1 0 | 250 | ... | 40·57 | 173 | 132 |
| D | Dover Waterworks | Borough Engineer | 5 | 1 0 | 200 | ... | 34·28 | 153 | 121 |
| D | Dover (Buckland) | Guy Mannering, Esq. | 8 | 1 6 | 50 | ... | 38·33 | 164 | 122 |
| D | Kearsney (Chilton Farm) | Borough Engineer | 5 | 1 6 | 127 | *33·5* | 41·35 | 161 | 139 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **KENT—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **2.—STOUR & C. 386 sq. mi.** | | | | | | | | |
| D | LYMPNE (Airport) ... ... | (+A) Meteorological Office ... | 8 | 1 0 | 346 | 28·5 | 31·82 | 185 | 139 |
| D | Lyminge (Elham Valley W.W.) | ... Philip Harris, Esq. ... | 5 | 1 6 | 445 | ... | 38·91 | 195 | 153 |
| D | Elham (Ottinge) ... ... | ... S. G. Holmans, Esq. ... | 5 | 1 9 | 300 | ... | 41·50 | 162 | 138 |
| D | Ashford (Gas Works) ... ... | ... L. G. Kimmins, Esq. ... | 5 | 0 11 | 125 | ... | 34·61 | 186 | 138 |
| D | Ashford ... ... ... ... | ... Messrs. Headley Bros. ... | 5 | 1 0 | 190 | ... | 34·81 | 192 | 141 |
| D | Ashford (Albert Road) ... | ... A. E. Brounger, Esq. ... | 5 | 1 0 | 185 | ... | 35·03 | 189 | 138 |
| D | Ashford (Belmore) ... ... | ... J. W. Kennard, Esq. ... | 5 | 1 0 | 200 | ... | 34·70 | 173 | 136 |
| D | Dover (Martin Mill Pump. Stat.) | ... W. A. Parker, Esq. ... | 5 | 1 0 | 287 | ... | 36·57 | 171 | 124 |
| D | WYE (Agricultural College) ... | ... S. E. Agric. College ... | 5 | 1 0 | 164 | ... | 35·80 | 160 | 132 |
| D | Waldershare Rectory ... ... | ... Rev. H. Saumarez Smith ... | 5 | 1 0 | 275 | ... | 36·99 | 174 | 134 |
| D | Waldershare Park Gardens ... | ... Mr. J. Beer ... ... ... | 8 | 1 0 | 250 | *33·2* | 40·32 | 189 | 150 |
| D | Shepherdswell (Upton Lodge) | ... Rutley Mowll, Esq. ... | 5 | 1 0 | 300 | ... | 38·63 | 203 | 133 |
| D | Boughton Aluph (The Glebe House) | ... E. Simmons, Esq. ... ... | 5 | 1 3 | 220 | ... | 33·35 | 177 | 139 |
| D | Charing Pumping Station ... | ... W. A. Parker, Esq.... ... | 5 | 1 0 | 295 | ... | 32·80 | 179 | 139 |
| D | Deal and Walmer W.W. ... | ... W. Mantle, Esq. ... ... | 5 | 1 0 | 110 | *28·0* | 33·33 | 162 | 128 |
| D | Barham (Old House) ... ... | ... L. S. Osmaston, Esq. ... | 5 | 0 9 | 175 | ... | 33·97 | 177 | 129 |
| D | Barham Pumping Station ... | ... W. A. Parker, Esq. ... | 5 | ... ... | 173 | ... | 35·70 | 170 | 138 |
| D | Nonington (Red Tiles) ... | (+A) C. G. W. Lewis, Esq. ... | 5 | 1 0 | 140 | ... | 33·15 | 170 | 131 |
| D | DEAL (Victoria Park) ... ... | ... Town Clerk ... ... ... | 5 | 1 0 | 18 | ... | 26·89 | 159 | 126 |
| D | Worth (Betteshanger Colliery) | ... National Coal Board ... | 5 | 1 0 | 5 | ... | 29·81 | 159 | 129 |
| D | Worth (Upton House) ... | ... Capt. W. Elwin Napier ... | 5 | 1 0 | 32 | *27·7* | 31·96 | 151 | 130 |
| D | Wingham (Margate W.W.) ... | ... J. H. Parker, Esq. ... ... | 5 | 1 0 | 138 | *28·7* | 31·05 | 171 | 135 |
| D | Chilham (Lower Ensden) ... | ... F. Ivo Neame, Esq. ... | 5 | 3 0 | 305 | ... | 33·97 | 167 | 143 |
| D | Canterbury (London Road) ... | ... Miss B. Spillett ... ... | 5 | 1 0 | 66 | *28·7* | 27·14? | 173 | 135 |
| D | Canterbury (Irrigation Works) | ... Manager ... ... ... | 5 | 2 6 | 15 | *27·5* | 30·89 | 173 | 135 |
| D | ELMSTONE (Court Farm) ... | ... J. B. Henderson, Esq. ... | 5 | 1 0 | 28 | ... | 28·64 | 184 | 129 |
| D | MANSTON (Airfield) ... ... | (+A) Meteorological Office ... | 8 | 1 0 | 154 | ... | 25·39 | 161 | 113 |
| D | Broadstairs (Salisbury Avenue) | ... C. Saunders, Esq. ... ... | 5 | 0 9 | 155 | ... | 24·97 | 178 | 116 |
| D | Broadstairs (Pierremont Park) | ... Surveyor ... ... ... | 5 | 0 9 | 127 | 23·7 | 27·26 | 190 | 137 |
| D | MARGATE ... ... ... | ... Capt. J. E. Turner ... ... | 5 | 1 0 | 51 | 22·8 | 24·92 | 149 | 117 |
| | **3.—SWALE & C. 167 sq. mi.** | | | | | | | | |
| D | Selling (Perry Cottage) ... | ... F. Ivo Neame, Esq. ... | 5 | 1 5 | 320 | ... | 32·52 | 175 | 130 |
| D | Selling (Luton) ... ... ... | ... F. Ivo Neame, Esq. ... | 5 | 4 9 | 300 | *30·4* | 31·47 | 159 | 138 |
| D | Sittingbourne (Torry Hill) ... | ... D. Leigh Pemberton, Esq. | 5 | 1 0 | 497 | ... | 36·15 | 183 | 144 |
| D | Newnham (Pumping Station) | ... W. A. Parker, Esq. ... | 5 | 1 0 | 107 | ... | 30·04 | 159 | 136 |
| D | Faversham W.W. ... ... | ... Engineer and Manager ... | 8 | 1 0 | 132 | ... | 26·78 | 189 | 124 |
| d | Ospringe (Queen Court) ... | ... Shepherd Neame Ltd. ... | 8 | 1 3 | 50 | ... | 29·19 | ... | ... |
| D | Ospringe (Lorenden) ... ... | ... Messrs. G. W. Finn & Sons | 5 | 1 6 | 175 | ... | 27·08 | 157 | 121 |
| D | Sittingbourne (Highsted W.W.) | ... Sittingbourne U.D.C. ... | 5 | 1 7 | 138 | ... | 30·50 | 181 | 130 |
| D | Faversham (Sewage Disp. Works) | ... Engineer and Manager ... | 8 | 1 0 | 22 | ... | 27·37 | 186 | 126 |
| D | Whitstable (Green Lees) ... | ... W. H. Wetherell, Esq. ... | 5 | 1 0 | 125 | ... | 28·42 | 197 | 131 |
| d | Teynham (Newgardens) ... | ... Mrs. Honeyball ... ... | 5 | 1 5 | 30 | *24·5* | 25·47 | ... | 116 |
| d | Milton Regis (Sewage Works) | ... Sittingbourne U.D.C. ... | 5 | 0 8 | 8 | ... | 23·94 | 148 | 107 |
| D | WHITSTABLE (Westmeads Rec. Grd.) | Engineer to the U.D.C. ... | 5 | 1 0 | 9 | ... | 24·49 | 158 | 123 |
| | Herne Bay (Waterworks) ... | ... J. Roberts, Esq. ... ... | 5 | 1 6 | 125 | *22·8* | 25·15 | ... | ... |
| d | Eastchurch (Barnland) ... | ... A. Beal, Esq. ... ... | 5 | 1 0 | 180 | ... | 21·08 | ... | ... |
| | **4.—MEDWAY. 506 sq. mi.** | | | | | | | | |
| D | GOUDHURST (Bedgebury Forest) | ... Forestry Commission ... | 5 | 1 0 | 290 | ... | 40·03 | 197 | 152 |
| D | Goudhurst (Bedgebury Pk. Gdns.) | ... Mr. H. Arnold ... ... | 5 | 1 0 | 280 | ... | 39·64 | 168 | 138 |
| D | Scotney Castle ... ... ... | ... E. W. Hussey, Esq.... ... | 5 | 2 0 | 200 | ... | 37·36 | 173 | 137 |
| D | Cranbrook (Little Glassenbury) | ... J. I. Stirling, Esq. ... ... | 5 | 0 10 | 360 | ... | 38·04 | 189 | 134 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | KENT—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 4.—MEDWAY—(*contd.*). | | | | | | | | |
| d | Lamberhurst (Bayham Abbey) | Mr. G. J. Miller | 5 | 1 0 | 340 | ... | 41·31 | ... | 116 |
| D | Goudhurst (Gore Court) | J. A. Druce, Esq. | 5 | 1 0 | 197 | *30·3* | 35·34 | 178 | 135 |
| D | TUNBRIDGE WELLS (Calverley Pk.) | Medical Officer of Health | 5 | 1 0 | 351 | ... | 38·83 | 188 | 142 |
| D | Matfield (Kings Mead) | Henry Hills, Esq. | 5 | 1 4 | 390 | ... | 39·21 | 175 | 146 |
| D | Brenchley (The Warren) | C. Langer, Esq. | 5 | 0 6 | 275 | ... | 36·36 | 201 | 173 |
| D | Speldhurst Rectory | Rev. Canon H. Mallinson | 5 | 0 10 | 334 | ... | 35·44 | 179 | 147 |
| D | Pembury Waterworks | H. P. Bishop, Esq., C.E. | 8 | 1 6 | 197 | ... | 34·95 | 182 | 134 |
| | Edenbridge (Old East Haxted) | Capt. J. N. Knox, R.N. | 5 | 2 9 | 200 | ... | 34·33 | ... | ... |
| D | Edenbridge (Falconhurst) | Hon. Mr. Justice Talbot | 5 | 1 6 | 375 | 30·7 | 37·38 | 182 | 139 |
| d | Edenbridge (Stonewall Pk.) | Lt.-Col. E. R. Meade-Waldo, D.S.O. | 5 | 1 1 | 344 | ... | 35·46 | 178 | 137 |
| D | Edenbridge (Gilridge) | J. Mavrogordato, Esq. | 5 | 1 0 | 400 | ... | 36·64 | 189 | 141 |
| D | Edenbridge (Hever Castle) | Mr. A. McCutcheon | 5 | 1 0 | 200 | ... | 31·49 | 163 | 128 |
| D | Penshurst Place | The Rt. Hon. Lord de Lisle and Dudley | 5 | 1 6 | 120 | ... | 32·84 | 193 | 132 |
| d | Tonbridge (Quarry Rise) | H. S. Marshall, Esq., M.B.E. | 5 | 2 0 | 150 | ... | 33·74 | 146 | 124 |
| d | Tonbridge (Dry Hill Park Rd.) | A. J. Horn, Esq. | 5 | 1 2 | 80 | ... | 32·19 | ... | ... |
| D | Headcorn (Kildale) | A. E. A. Day, Esq. | 8 | 1 6 | 75 | ... | 29·56 | 157 | 127 |
| D | Hildenborough (Gailes) | E. E. Roper, Esq. | 5 | 1 0 | 159 | ... | 31·88 | 188 | 144 |
| D | Hildenborough (Hollanden House) | C. H. Scott, Esq. | 8 | 1 0 | 99 | ... | 32·60 | 184 | 143 |
| D | Hildenborough (Old School Cot) | J. S. Roper, Esq. | 5 | 1 0 | 270 | ... | 32·37 | 181 | 137 |
| D | East Peckham (Woodbine) | W. H. Pearson, Esq. | 8 | 1 0 | 47 | ... | 29·32 | 160 | 125 |
| D | Lenham (Lenham Court) | Major Pitt | 5 | 1 0 | 400 | ... | 34·63 | 176 | 142 |
| D | Langley (Rumwood Court) | Mr. H. Parsons | 5 | 1 9 | 354 | ... | 32·41 | 168 | 128 |
| d | Lenham | D. F. Tysoe, Esq. | 5 | 1 6 | 400 | ... | 36·04 | 180 | 140 |
| D | Sevenoaks (Underriver) | Head Gardener | 5 | 1 0 | 350 | ... | 37·41 | 195 | 153 |
| D | Sevenoaks (River Hill) | Major D. M. Rogers | 5 | 1 6 | 500 | 30·0 | 35·00 | 165 | 134 |
| D | Maidstone W.W. (Barming) | C. H. Harden, Esq., C.E. | 5 | 1 4 | 247 | ... | 31·27 | 178 | 136 |
| D | Maidstone (Mill Street) | J. H. Hughes, Esq. | 8 | 6 0 | 37 | ... | 31·88 | 188 | 129 |
| D | Bearstead (Thurnham P.S.) | W. A. Parker, Esq. | 5 | 1 0 | 107 | ... | 35·16 | 185 | 139 |
| D | Maidstone (Brenchley Gardens) | J. H. Hughes, Esq. | 5 | 0 9 | 49 | ... | 32·45 | 173 | 135 |
| D | WEST MALLING | Meteorological Office | 5 | 1 0 | 309 | ... | 31·55 | 180 | 139 |
| D | EAST MALLING (Research Station) | Director | 8 | 1 0 | 132 | ... | 31·73 | 169 | 135 |
| D | Maidstone (Allington Lock) | Mr. A. H. Reed | 5 | 1 0 | 20 | ... | 29·47 | 156 | 115 |
| D | Aylesford (Forstal P. Stn.) | C. H. Harden, Esq., C.E. | 5 | 1 4 | 20 | ... | 31·97 | 186 | 132 |
| D | Trottiscliffe Pumping Station | W. A. Parker, Esq. | 5 | 1 8 | 250 | ... | 32·80 | 170 | 132 |
| D | Maidstone W.W. (Boxley) | C. H. Harden, Esq., C.E. | 5 | 1 0 | 319 | ... | 32·54 | 172 | 135 |
| D | Chatham (Woolmans Wood) | A. E. Watkins, Esq., B.Sc. | 5 | 3 0 | 470 | ... | 32·65 | 159 | 129 |
| d | Halling Pumping Station | W. A. Parker, Esq. | 5 | 1 0 | 75 | ... | 30·70 | ... | 114 |
| d | Chatham (Nashenden P.S.) | A. E. Watkins, Esq., B.Sc. | 5 | 0 9 | 125 | ... | 32·27 | ... | 118 |
| D | Chatham (Luton W.W.) | A. E. Watkins, Esq., B.Sc. | 5 | 3 0 | 88 | ... | 31·01 | 177 | 136 |
| D | Cuxton (Pumping Station) | Cuxton Water Committee | 5 | 1 0 | 87 | ... | 30·88 | 176 | 130 |
| D | Rainham (Motney Hill) | J. B. Harvey, Esq. | 5 | 1 0 | 28 | ... | 25·23 | 156 | 111 |
| D | Strood Waterworks | (+A) City Surveyor | 5 | 1 0 | 112 | ... | 29·04 | 168 | 126 |
| D | Frindsbury (Shornells) | F. J. Talbot, Esq. | 5 | 1 3 | 50 | ... | 29·75 | 181 | 125 |
| D | Higham (Forge Lane) | E. N. M. Wadman, Esq. | 5 | 0 10 | 200 | ... | 30·20 | 196 | 129 |
| | 5.—THAMES. Darent & c. 256 sq. mi. | | | | | | | | |
| D | Westerham Town | Met. Water Board | 5 | 1 0 | 380 | ... | 38·28 | 166 | 139 |
| D | Westerham Hill Pumping Stat. | Met. Water Board | 5 | 1 0 | 539 | ... | 38·01 | 194 | 153 |
| D§ | Sundridge Pumping Stn. | Met. Water Board | 5 | 1 0 | 270 | ... | 34·68 | 186 | 148 |
| d | Sevenoaks (Knole Park) | Head Gardener | 5 | 1 0 | 500 | ... | 38·68 | 168 | 136 |
| d | Sevenoaks (Oak Lane) | E. H. Evans, Esq. | 8 | 1 6 | 428 | ... | 36·94 | 162 | 136 |

§ Turf wall round gauge.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **KENT—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—THAMES. Darent & c.—(*contd.*).** | | | | | | | | |
| D§ | Tatsfield (Betsoms Hill) ... | ... Met. Water Board ... ... | 5 | 1 0 | 820 | ... | 39·68 | 160 | 141 |
| | Seal (Oak Bank Reservoir) ... | ... E. H. Evans, Esq. ... ... | 8 | 1 3 | 548 | ... | 35·33 | ... | ... |
| D | Sevenoaks (Cramptons Rd. P.S.) | ... E. H. Evans, Esq. ... ... | 8 | 1 0 | 222 | ... | 34·98 | 187 | 146 |
| | Seal (St. Lawrence Reservoir) | ... E. H. Evans, Esq. ... ... | 8 | 1 3 | 665 | ... | 35·44 | ... | ... |
| D | Seal (Kemsing Pumping Station) | ... E. H. Evans, Esq. ... ... | 5 | 1 3 | 292 | ... | 34·76 | 179 | 139 |
| D | Sevenoaks (Chevening Gardens) | ... Head Gardener ... ... | 5 | 1 0 | 360 | ... | 35·82 | 165 | 149 |
| D | Knockholt (Kent Waterworks) | ... Met. Water Board ... ... | 5 | 1 0 | 785 | *29·9* | 40·09 | 160 | 140 |
| D | Downe (Down House) ... | ... Dr. O. J. R. Howarth, O.B.E. | 5 | 1 1 | 560 | ... | 39·41 | 201 | 154 |
| D | West Wickham (Pumping Station) | ... Met. Water Board ... ... | 5 | 1 0 | 240 | ... | 30·06 | 168 | 141 |
| D | Eynesford Pumping Station ... | ... Met. Water Board ... ... | 5 | 1 0 | 131 | ... | 31·83 | 165 | 136 |
| D | Eynesford Hill ... ... ... | ... Mrs. A. Mee ... ... | 5 | 1 0 | 358 | ... | 30·47 | 191 | 146 |
| W | Farningham (Dunbrae) ... | ... Bertram Grey, Esq. ... | 5 | 1 0 | 230 | ... | 30·56 | ... | ... |
| D | Orpington (Kent Waterworks) | ... Met. Water Board ... ... | 5 | 1 0 | 220 | ... | 31·26 | 176 | 136 |
| D | Longfield (Hartley) ... ... | ... Hartley Water Committee | 5 | 1 0 | 270 | ... | 31·67 | 177 | 126 |
| D | Cobham (Crossways) ... ... | ... Mrs. A. M. Marsh ... ... | 5 | 3 0 | 320 | ... | 32·90 | 179 | 135 |
| d | Horton Kirby (Court Lodge) ... | ... W. Rogers, Esq. ... ... | 5 | 1 0 | 30 | ... | 26·45 | ... | 124 |
| D | Nurstead (Downs Road W.W.) | ... Gravesend & Milt'n W.W.Co. | 8 | 1 0 | 164 | ... | 30·73 | 187 | 125 |
| D | Bickley (Farrants) ... ... | ... Miss Chalmers ... ... | 5 | 1 0 | 250 | 25·9 | 30·76 | 176 | 140 |
| | Bromley (Sundridge Avenue) ... | ... Dr. H. Wynne Thomas ... | 5 | 1 0 | 270 | 24·7 | 30·41 | ... | ... |
| D | BROMLEY ... ... ... | ... Borough Engineer ... ... | 5 | 1 0 | 213 | 24·2 | 30·12 | 167 | 136 |
| D | Bromley (Bishops Avenue) ... | ... G. H. Franey, Esq. ... | 8 | 1 0 | 190 | ... | 28·69 | 174 | 134 |
| D | Beckenham (Croydon Rd.) ... | ... Borough Engineer ... ... | 8 | 1 0 | 110 | ... | 28·45 | 175 | 133 |
| D | Anerley (Oakfield Road) ... | ... Miss S. Stannard ... ... | 5 | 1 5 | 180 | ... | 29·19 | 178 | 132 |
| D | Chislehurst (Hawkwood) ... | ... Miss M. C. Edlmann ... | 5 | 0 10 | 300 | ... | 29·73 | 154 | 135 |
| D | Chislehurst (Scadbury Park) ... | ... Mr. B. Orchard ... ... | 5 | 1 0 | 240 | 24·6 | 28·66 | 183 | 133 |
| d | Bromley (Burnt Ash Lane) ... | ... W. M. Smith, Esq., M.B.E. | 5 | 1 0 | 200 | ... | 29·38 | ... | 138 |
| d | Southfleet (Hook Place Farm) | ... J. Barker, Esq. ... ... | 5 | 1 0 | 100 | ... | 27·32 | ... | ... |
| D | WILMINGTON (Church Walk) ... | ... L. H. Stone, Esq. ... ... | 5 | 1 0 | 110 | ... | 26·40 | 176 | 135 |
| D | WILMINGTON (Glasshouse Dem. Stn.) | Kent Education Com. ... | 5 | 1 0 | 212 | ... | 27·58 | 172 | 138 |
| D§ | Southfleet (Kent Waterworks) | ... Met. Water Board ... ... | 5 | 1 0 | 82 | ... | 27·50 | 176 | 126 |
| D | Wilmington (Kent Waterworks) | ... Met. Water Board ... ... | 5 | 1 0 | 25 | ... | 27·02 | 169 | 132 |
| D | Stone (City of Lond. Ment. Hosp.) | ... A. W. Fletcher, Esq. ... | 5 | 1 2 | 115 | ... | 26·00 | 175 | 128 |
| D | Dartford (Sewage Works) ... | ... Resident Engineer ... ... | 5 | 1 0 | 14 | ... | 24·86 | 171 | 129 |
| D | Erith (Sewage Works) ... ... | ... Erith U.D.C. ... ... | 5 | 1 0 | 13 | ... | 22·88 | 157 | 126 |
| d | Higham Waterworks ... ... | ... Engineer and Manager ... | 8 | 1 0 | 141 | ... | 29·05 | 161 | 121 |
| d | Erith (Crossness) ... ... | ... London County Council ... | 5 | 1 0 | 25 | 20·8 | 23·16 | ... | 119 |
| | **SUSSEX. (Area, 1,458 sq. mi.)** | | | | | | | | |
| | **1.—LAVANT & C. 175 sq. mi.** | | | | | | | | |
| D | Sidlesham (Council School) ... | ... Headmaster ... ... ... | 5 | 1 0 | 15 | ... | 31·95 | 177 | 142 |
| D | BOGNOR REGIS (Waterloo Square) | ... Town Clerk ... ... ... | 8 | 1 0 | 24 | 25·9 | 33·29 | 178 | 147 |
| D | Bognor Regis (Albert Road) ... | ... W. L. Guermonprez, Esq. | 8 | 1 0 | 17 | 26·3 | 32·29 | 176 | 144 |
| D | Merston (Abelands) ... ... | ... The Hon. Sybil Hood ... | 5 | 0 9 | 24 | 28·8 | 33·38 | 169 | 131 |
| D | Bosham (Cobnor) ... ... | ... Major S. W. P. Beale ... | 5 | 0 10 | 12 | 27·7 | 33·99 | 166 | 133 |
| D | THORNEY ISLAND ... ... | ... Meteorological Office ... | 5 | 1 0 | 11 | ... | 31·30 | 161 | 126 |
| d | Chidham (Chidmere) ... ... | ... H. Ll. Baxendale, Esq. ... | 5 | 1 0 | 14 | 27·0 | 31·20 | 165 | 139 |
| D | Bosham (Council School) ... | ... The Headmaster ... ... | 5 | 0 6 | 14 | 27·2 | 36·33 | 165 | 132 |
| D | Chichester (Apuldram)... ... | ... S. J. K. Eames, Esq. ... | 5 | 0 10 | 14 | 27·9 | 33·20 | 173 | 132 |
| D | Chichester (Kingsham Farm) ... | ... Director of Agriculture ... | 5 | 1 0 | 35 | 29·0 | 33·41 | 160 | 134 |
| D | Chichester (West Street) ... | ... Dr. W. Dick ... ... | 5 | 1 0 | 40 | 28·3 | 34·08 | 167 | 134 |
| D | Chichester (County Hall) ... | ... D. Farr, Esq, ... ... | 5 | 1 0 | 40 | 29·1 | 34·47 | 169 | 139 |
| D | Arundel (West Walberton) ... | ... P. A. Bissett, Esq. ... ... | 5 | 1 0 | 90 | ... | 35·86 | 176 | 140 |

§ Turf wall round gauge.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | SUSSEX—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | 1.—LAVANT & C.—(*contd.*). | | | | | | | | |
| D | Emsworth (Stansted Park) ... | ... Earl of Bessborough ... | 5 | 1 1 | 140 | ... | 40·97 | 180 | 141 |
| D | West Dean Park ... ... | ... W. A. Mackenzie, Esq. ... | 5 | 1 0 | 180 | 36·4 | 44·71 | 168 | 156 |
| D | Compton (Compton House) ... | ... Miss K. B. Langdale ... | 5 | 1 0 | 263 | 36·6 | 48·85 | 179 | 152 |
| | 2.—ARUN. 285 sq. mi. | | | | | | | | |
| D | LITTLEHAMPTON (Met. Station) | ... Clerk to the U.D.C. ... | 5 | 1 0 | 19 | 26·2 | 32·11 | 164 | 139 |
| D | Lyminster Vicarage ... ... | ... late Rev. Dr. S. P. Duval ... | 5 | 1 6 | 36 | 27·3 | 32·62 | 174 | 136 |
| D | Patching Farm ... ... ... | ... Michael Drewitt, Esq. ... | 5 | 1 0 | 180 | 30·8 | 35·71 | 165 | 136 |
| D | Arundel Castle ... ... ... | ... The Duke of Norfolk ... | 5 | 1 0 | 106 | 31·3 | 36·91 | 181 | 142 |
| D | Bury (Rover's Cottages) ... | ... C. P. Gates, Esq. ... ... | 5 | 1 3 | 70 | 35·6 | 46·50 | 201 | 154 |
| | Harting (Down Place) ... ... | ... R. G. Blackwell, Esq. ... | 5 | 1 2 | 401 | 37·5 | 47·61 | 173 | 151 |
| D | Storrington (Greyfriars) ... | ... Major J. R. Abbey ... | 5 | 1 0 | 250 | 35·6 | 44·58 | 164 | 149 |
| D | Storrington (Cootham) ... | ... Mrs. Faithfull ... ... | 5 | 1 1 | 125 | 34·1 | 38·22 | 171 | 145 |
| | Bignor ... ... ... ... | ... Major G. B. Hill ... ... | 5 | 1 0 | 175 | 37·3 | 45·79 | ... | ... |
| D | Pulborough (Parham) ... ... | ... Hon. Clive Pearson ... | 5 | 1 6 | 98 | 33·6 | 44·62 | 188 | 158 |
| D | Pulborough (Bignor Park) ... | ... Viscountess Mersey ... | 5 | 1 3 | 75 | ... | 46·89 | 181 | 151 |
| D | Petworth (Barlavington Farm) | ... J. A. G. Bragg, Esq. ... | 5 | 0 9 | 181 | ... | 45·04 | 181 | 150 |
| D | Pulborough (Codmore Hill) ... | ... Rev. C. Ash ... ... | 5 | 2 6 | 165 | 32·0 | 40·78 | 190 | 151 |
| D | Byworth (Edgehill) ... ... | ... W. H. Boniface, Esq. ... | 5 | 1 0 | 100 | ... | 42·13 | 191 | 148 |
| D | Midhurst (June Lane) ... ... | ... H. R. Amoore, Esq. ... | 5 | 1 0 | 135 | 33·2 | 42·60 | 188 | 135 |
| D | Petworth Park Gardens ... | ... Lord Leconfield ... ... | 5 | 1 0 | 250 | 33·1 | 41·96 | 159 | 142 |
| D | Rogate (Fyning) ... ... | ... H. W. A. Bodkin, Esq. ... | 5 | 1 0 | 230 | 31·2 | 43·39 | 187 | 142 |
| | Rogate (Durford Wood) ... | ... Mrs. A. M. Kennion ... | 5 | 0 9 | 400 | 34·9 | 44·88 | ... | ... |
| D | Rogate (Old Copse) ... ... | ... Miss E. Barton ... ... | 5 | 1 0 | 500 | ... | 44·30 | 180 | 150 |
| | Rogate (Fyning Combe) ... | ... J. Gore. Esq., C.V.O. ... | 5 | 0 8 | 420 | ... | 44·19 | ... | ... |
| D | Kirdford (Hills Green) ... | ... L. Baker, Esq. ... ... | 5 | 1 0 | 150 | 27·8 | 34·16 | 168 | 131 |
| D | Petersfield (Durford Heath) ... | ... Late Miss H.E.Cohen,O.B.E. | 5 | 1 0 | 450 | 35·3 | 45·21 | 168 | 143 |
| D | Liss (Clayton Court) ... ... | ... Head Gardener ... ... | 5 | 1 0 | 480 | 35·2 | 49·50 | 207 | 153 |
| D | Liss (Hill Brow) ... ... | ... F. W. Beckford, Esq. ... | 5 | 1 0 | 500 | 35·8 | 47·36 | 203 | 148 |
| D | Horsham (Whites Bridge) ... | ... C. G. Atkinson, Esq. ... | 5 | 1 0 | 139 | 30·9 | 36·96 | 173 | 135 |
| D | Lower Beeding (The Warren) | ... Miss Reed ... ... ... | 5 | 0 10 | 430 | 31·6 | 40·39 | 180 | 141 |
| D | Horsham (Tower Hill) ... | ... Mrs. C. Marsh ... ... | 5 | 1 0 | 220 | 28·3 | 33·23 | 187 | 132 |
| D | Horsham (Sewage P.S.) ... | ... C. G. Atkinson, Esq. ... | 8 | 1 0 | 120 | 29·3 | 35·61 | 194 | 133 |
| D | Horsham (Rushams Road) ... | ... A. H. Wickersham, Esq. ... | 5 | 1 0 | 140 | ... | 38·71 | 186 | 136 |
| D | Horsham (Windyridge) ... | ... R. A. West, Esq. ... ... | 5 | 1 0 | 260 | ... | 34·68 | 156 | 126 |
| D | Horsham (Wimblehurst) ... | ... Miss E. M. Allcard... ... | 5 | 1 0 | 195 | 30·0 | 38·23 | 201 | 136 |
| d | Horsham (Colgate) ... ... | ... John L. Bennett, Esq. ... | 5 | 1 0 | 350 | ... | 39·43 | ... | ... |
| D | Rudgwick (Swaynes) ... ... | ... S. D. Secretan, Esq. ... | 5 | 0 11 | 121 | 26·7 | 34·55 | 192 | 144 |
| d | Horsham (Westbrook Hall) ... | ... W. E. Sotheby, Esq. ... | 8 | 1 0 | 170 | 29·5 | 35·04 | ... | 127 |
| D | Rusper (The Nunnery) ... | ... Sir Cecil J.B.Hurst,G.C.M.G. | 5 | 1 6 | 260 | 30·8 | 44·20 | 174 | 145 |
| | 3.—ADUR & C. 237 sq. mi. | | | | | | | | |
| D | Rottingdean School ... ... | ... Mr. T. A. Sandalls ... | 8 | 1 2 | 120 | 27·2 | 35·22 | 185 | 137 |
| D | WORTHING (Beach House Pk.) (+A) | Medical Officer of Health ... | 8 | 1 0 | 25 | 27·5 | 30·96 | 170 | 130 |
| d | Goring-by-Sea (Highdown Tower) | ... Col. F. C. Stern ... ... | 5 | 1 0 | 100 | ... | 30·98 | ... | ... |
| D | Brighton (Ovingdean) ... ... | ... L. H. B. Woodhead, Esq. ... | 8 | 1 0 | 161 | ... | 35·61 | 185 | 138 |
| D | High Salvington (Hayling Rise) | ... H. R. McCarthy, Esq. ... | 5 | 1 0 | 210 | 31·3 | 36·55 | 182 | 143 |
| d | Hove ... ... ... ... | ... Medical Officer of Health ... | 5 | 1 6 | 27 | 27·4 | 29·41? | ... | 141 |
| D | Southwick (Watling Road) ... | ... E. C. Smith, Esq. ... ... | 5 | 1 0 | 10 | ... | 33·08 | 167 | 120 |
| D | Hove (Park House) ... ... | ... Guy Michell, Esq. ... ... | 5 | 1 0 | 120 | ... | 36·41 | 204 | 140 |
| D | Brighton W.W. (Goldstone Bot.) | ... A. B. Cathcart, Esq., C.E.... | 8 | 1 0 | 142 | ... | 35·37 | 191 | 133 |
| D | Brighton W.W. (Lewes Road) | ... A. B. Cathcart, Esq., C.E.... | 8 | 3 8 | 139 | 29·9 | 38·66 | 194 | 144 |
| D | Brighton W.W. (Shoreham) ... | ... A. B. Cathcart, Esq., C.E.... | 8 | 1 8 | 9 | 29·2 | 35·93 | 188 | 140 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SUSSEX—(*contd.*).** | | *in.* | *ft.* | *in.* | *ft.* | *in.* | *in.* | | |
| | **3.—ADUR & C.—(*contd.*).** | | | | | | | | | |
| d | Patcham (Withdean) ... ... | ... N. Pettitt, Esq. ... ... | 5 | 1 | 0 | 200 | ... | 34·96 | ... | ... |
| D | Brighton W.W. (Mile Oak) ... | ... A. B. Cathcart, Esq., C.E.... | 8 | 0 | 10 | 166 | ... | 34·39 | 186 | 137 |
| D | Brighton W.W. (Race Hill Res.) | ... A. B. Cathcart, Esq., C.E.... | 8 | 1 | 0 | 456 | 31·6 | 40·25 | 194 | 148 |
| D§ | Brighton W.W. (Balsdean Res.) | ... A. B. Cathcart, Esq., C.E.... | 5 | 1 | 0 | 399 | ... | 36·23 | 171 | 137 |
| D | Brighton W.W. (Balsdean P.S.) | ... A. B. Cathcart, Esq., C.E.... | 5 | 1 | 0 | 188 | ... | 36·07 | 171 | 135 |
| D | Falmer (Cold Dean) ... ... | ... R. Shanks, Esq. ... ... | 5 | 1 | 6 | 100 | ... | 44·26 | 175 | 148 |
| D | Brighton W.W. (Falmer) ... | ... A. B. Cathcart, Esq., C.E.... | 8 | 1 | 0 | 200 | 32·1 | 44·09 | 193 | 145 |
| | Findon (Muntham Court) ... | ... Col. Ulric Thynne ... ... | 5 | 1 | 0 | 350 | ... | 43·90 | ... | ... |
| D | Findon (North End) ... ... | ... Mrs. B. H. Madge ... ... | 5 | 1 | 0 | 211 | ... | 42·07 | 195 | 139 |
| D | Findon (Steep Lane) ... ... | ... T. G. Judge, Esq. ... ... | 8 | 3 | 0 | 200 | ... | 39·83 | 170 | 133 |
| D | PATCHAM (Vale Avenue) ... | ... G. Berry Hamlin, Esq. ... | 5 | 1 | 0 | 200 | 34·1 | 39·44 | 179 | 141 |
| D | Patcham (Brighton W.W.) ... | ... A. B. Cathcart, Esq., C.E.... | 5 | 1 | 0 | 205 | 31·8 | 38·89 | 182 | 144 |
| d | Washington P.S. ... ... | ... Chanctonbury R.D.C. ... | 5 | 1 | 0 | 167 | ... | 41·53 | ... | ... |
| D | Hassocks (Newtimber Place) ... | ... Countess Buxton ... ... | 5 | 0 | 8 | 100 | ... | 40·89 | 176 | 139 |
| D | Hassocks (The Croft) ... ... | ... Harold Taylor, Esq., M.A. | 5 | 1 | 0 | 200 | 35·6 | 42·91 | 162 | 140 |
| D | Hassocks (Hurst Wickham Rise) | ... A. Wigglesworth, Esq. ... | 5 | 1 | 1 | 170 | ... | 40·74 | 194 | 152 |
| D | Henfield (Townmead) ... ... | ... Miss H. Dixon Brown ... | 5 | 1 | 0 | 100 | 31·7 | 39·47 | 180 | 143 |
| D | Hurstpierpoint (Brundall) ... | ... R. E. Toombs, Esq. ... | 5 | 1 | 0 | 140 | ... | 38·38 | 180 | 136 |
| d | Partridge Green (Lloyt's Croft) | ... W. U. P. Morgan, Esq. ... | 5 | 1 | 2 | 25 | ... | 34·11 | 162 | 138 |
| D | Partridge Green (Bulrushes) ... | ... S. H. Wood, Esq. ... ... | 5 | 0 | 8 | 75 | ... | 36·66 | 183 | 137 |
| D | West Grinstead (Knepp Castle Gdns.) | Capt. W. R. Burrell ... | 5 | 3 | 6 | 50 | ... | 36·00 | 171 | 136 |
| D | Coolham... ... ... ... ... | ... C. E. Cleeves, Esq. ... ... | 5 | 1 | 0 | 80 | *29·6* | 37·54 | 193 | 140 |
| D | Slinfold (Elmhurst Farm) ... | ... Elmhurst Fmg. & Trdg. Co. | 5 | 0 | 10 | 200 | 29·7 | 37·10 | 187 | 147 |
| | **4.—OUSE. 224 sq. mi.** | | | | | | | | | |
| d | Seaford (Newlands) ... ... | ... Capt. T. Manning, R.N.V.R. | 5 | 1 | 0 | 150 | 28·6 | 35·95 | ... | ... |
| d | SEAFORD ... ... ... ... ... | Surveyor ... ... ... | 5 | 1 | 0 | 45 | ... | 34·49 | 150 | 128 |
| D | Newhaven (Poverty Bottom W.W.) | ... F. B. Lumsden, Esq. ... | 8 | 2 | 6 | 48 | 28·8 | 34·50 | 173 | 130 |
| D | Lewes W.W. (Kingston) ... | ... J. T. P. Johnston, Esq. ... | 8 | 1 | 3 | 11 | 34·6 | 41·66 | 188 | 150 |
| D | Chailey (Cornwell's Bank) ... | ... Arthur B. Boxall, Esq. ... | 5 | 5 | 0 | 160 | ... | 36·83 | 214 | 142 |
| D | Newick (Piltdown) ... ... | ... A. C. Jeffery, Esq. ... ... | 5 | 2 | 4 | 150 | 30·2 | 36·75 | 175 | 145 |
| D | Uckfield (Lawrence House) ... | ... G. G. D. Hoare, Esq., M.A. | 5 | 1 | 3 | 125 | ... | 37·84 | 182 | 151 |
| d | Haywards Heath (Abbots Leigh) | ... C. Hales, Esq., J.P.... ... | 5 | 1 | 0 | 250 | ... | 37·45 | 153 | 134 |
| D | Haywards H. (Paddockhall Rd.) | ... L. E. Hervey, Esq. ... ... | 5 | 1 | 1 | 260 | 31·8 | 39·01 | 194 | 142 |
| D | Fletching (Searles Estate Office) | ... H. J. Chapman, Esq. ... | 5 | 1 | 0 | 180 | ... | 37·30 | 177 | 144 |
| D | Uckfield (Fairwarp) ... ... | ... Col. A. E. Barchard ... | 5 | 0 | 10 | 475 | 33·5 | 42·09 | 175 | 147 |
| d | Oldlands Hall ... ... ... | (R) Sir B. Eckstein, Bart. ... | 8 | 3 | 0 | 400 | ... | 43·19 | ... | 125 |
| D | Horsted Keynes (Holy Well P.S.) | ... W. H. Ashmole, Esq. ... | 8 | 1 | 8 | 124 | 31·5 | 38·93 | 186 | 133 |
| D | Horsted Keynes (Cinder Hill) | ... L. A. Wood, Esq. ... ... | 8 | 1 | 0 | 300 | ... | 37·72 | 183 | 140 |
| D | Horsted Keynes (Birchgrove) ... | ... Miss Fyfe ... ... ... | 5 | 1 | 0 | 400 | 31·4 | 41·27 | 213 | 149 |
| D | Balcombe (Lullings) ... ... | ... Mrs. M. Holland ... ... | 5 | 1 | 0 | 348 | 34·8 | 43·77 | 205 | 156 |
| D | Balcombe (Waterworks) ... | ... W. H. Ashmole, Esq. ... | 8 | 1 | 0 | 467 | 33·9 | 40·47 | 189 | 141 |
| D | Balcombe (Highley Manor) ... | ... Mr. B. T. Brooks ... ... | 8 | 1 | 6 | 420 | 34·2 | 44·17 | 212 | 155 |
| D | West Hoathly (Stonelands) ... | ... J. Godwin King, Esq. ... | 5 | 1 | 0 | 450 | 34·3 | 39·03 | 143 | 133 |
| | **5.—CUCKMERE & C. 189 sq. mi.** | | | | | | | | | |
| D | BEACHY HEAD (C. Guard Stn.) | ... Chief Officer (M.O.) ... | 8 | 1 | 0 | 502 | ... | 37·64 | 179 | 134 |
| D | EASTBOURNE (Wilmington Square) | ... Medical Officer of Health ... | 5 | 1 | 0 | 20 | 30·7 | 35·09 | 172 | 131 |
| D | Eastbourne (Arundel Road) ... | ... Miss G. J. Woodd ... ... | 8 | 1 | 6 | 90 | *31·4* | 33·93 | 190 | 140 |
| D | Friston (Water Tower) ... | ... Eastbourne W.W. ... ... | 5 | 1 | 0 | 389 | ... | 38·70 | 175 | 142 |
| D | Friston ... ... ... ... | ... Eastbourne W.W. ... ... | 8 | 1 | 0 | 104 | *30·8* | 37·09 | 176 | 142 |
| D | Jevington ... ... ... | ... Eastbourne W.W. ... ... | 8 | 1 | 0 | 274 | *31·7* | 37·79 | 186 | 150 |

§ Turf wall round gauge.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **SUSSEX—(*contd.*).** | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—CUCKMERE & C.—(*contd.*).** | | | | | | | | | |
| D | Litlington | | Eastbourne W.W. | 8 | 1 0 | 19 | *30·5* | 36·75 | 176 | 144 |
| D | Willingdon Sewage Farm | | Hailsham R.D.C. | 5 | 1 0 | 24 | *32·3* | 38·06 | 181 | 145 |
| D | Pevensey Bay Pumping Station | | Hailsham R.D.C. | 5 | 1 0 | 7 | *27·0* | 34·37 | 168 | 143 |
| D | HANKHAM | | A. E. Moon, Esq. | 5 | 1 0 | 68 | ... | 37·26 | 187 | 139 |
| D | BEXHILL (EGERTON PARK) | | Bor. Council (H. J. Sargent) | 8 | 1 2 | 12 | 26·3 | 31·83 | 173 | 132 |
| D | St. Leonards (Filsham W.W.) | | Water Engineer (Hastings) | 5 | 1 0 | 37 | 27·3 | 33·17 | 169 | 131 |
| D | Hailsham (Magham Down) | | E. M. Bear, Esq. | 5 | 1 0 | 90 | 28·4 | 34·00 | 183 | 140 |
| D | Hellingly (East Sx. Ment. Hosp.) | | Medical Superintendent | 5 | 0 7 | 140 | ... | 34·75 | 189 | 141 |
| D | Hazards Green (Pumping Station) | | Bexhill W.W. | 5 | 1 7 | 74 | 26·0 | 31·37 | 187 | 136 |
| D | Hastings (Newgate) | | Water Engineer | 8 | 1 0 | 243 | 27·5 | 33·36 | 164 | 132 |
| D | Hastings (Halton Reservoir) | | Water Engineer | 5 | 1 0 | 294 | 28·6 | 34·25 | 159 | 129 |
| D | Battle (Forewood W.W.) | | Water Engineer (Hastings) | 5 | 1 0 | 50 | 28·0 | 33·91 | 153 | 123 |
| D | Cowbeech (Pumping Station) | | Bexhill W.W. | 5 | 1 7 | 100 | ... | 33·15 | 166 | 136 |
| D | Bodle St. (Bucksteep Manor) | (+A) | Major G. P. Richardson | 5 | 1 0 | 235 | ... | 35·57 | 186 | 147 |
| D | Horam (Coxlow) | | Miss Harrison | 5 | 1 0 | 260 | 29·7 | 37·03 | 195 | 145 |
| D | Heathfield (Burchford Farm) | | Mrs. D. Hook | 5 | 1 0 | 358 | ... | 39·33 | 195 | 153 |
| d | Heathfield (Hailsham Road) | | Heathfield Growers | 5 | 1 0 | 450 | ... | 37·57 | ... | 124 |
| | **6.—ROTHER. 194 sq. mi.** | | | | | | | | | |
| D | Hastings (Fairlight Reservoir) | | Water Engineer | 5 | 1 0 | 513 | *29·3* | 37·29 | 167 | 137 |
| D | Hastings (Fairlight, Machico) | | Mrs. P. G. Lock | 5 | 0 10 | 100 | *27·6* | 36·30 | 177 | 144 |
| D | Brede Pumping Station | | Water Engineer (Hastings) | 8 | 1 0 | 26 | 28·3 | 38·27 | 181 | 139 |
| D | Udimore (The Wick) | | Major R. P. Mair | 8 | 1 0 | 92 | *28·9* | 36·89 | 157 | 124 |
| d | Playden (Scots Float) | | Mrs. A. Court | 5 | 1 10 | 16 | ... | 29·97 | ... | 123 |
| D | Brightling Park | | T. P. Tew, Esq. | 5 | 1 0 | 545 | 34·1 | 43·45 | 197 | 157 |
| D | Brightling (Bleak House) | | T. W. C. Terry, Esq. | 5 | 1 0 | 550 | ... | 42·91 | 198 | 150 |
| d | Robertsbridge (Darvell Hall San.) | | Medical Superintendent | 5 | 3 0 | 100 | 29·1 | 37·56 | 160 | 126 |
| D | Peasmarsh (Woodside) | | A. W. Rickards, Esq. | 5 | 0 7 | 100 | 30·1 | 38·25 | 194 | 151 |
| D | Burwash (Bateman's) | | C. W. Parish, Esq. | 5 | 1 0 | 100 | ... | 41·45 | 186 | 145 |
| D | Iden (Havencroft) | | J. N. Baker, Esq. | 5 | 0 10 | 134 | ... | 36·76 | 182 | 138 |
| D | Rye (Iden) | | Admiral Sir Aubrey Smith | 5 | 1 0 | 150 | ... | 32·67 | 168 | 130 |
| d | Hawkhurst (BODIAM) | | A'th'r Guiness Sons & Co. Ld. | 5 | 1 0 | 71 | ... | 35·22 | ... | 138 |
| D | Northiam (Great Dixter) | | Mrs. Lloyd | 5 | 1 0 | 209 | 29·5 | 35·97 | 180 | 138 |
| D | Burwash (Crowhurst Bridge) | | Heathfield Dist. Water Co. | 5 | 0 11 | 97 | ... | 36·17 | 179 | 135 |
| D | Mayfield (Cranesden) | | Sir Frederick Godber | 5 | 1 0 | 345 | ... | 38·49 | 176 | 132 |
| D | Ticehurst (Stonegate) | | W. J. Wheeler, Esq. | 5 | 1 0 | 230 | 32·6 | 39·74 | 213 | 152 |
| | **7.—MEDWAY. 117 sq. mi.** | | | | | | | | | |
| D | Rotherfield (Horsegrove Fm.) | | F. W. Shaw, Esq. | 5 | 1 0 | 528 | 35·3 | 44·61 | 198 | 150 |
| D | Crowborough (Jarvis Brook) | | Crowborough Water Co. | 5 | 1 0 | 325 | 35·0 | 45·17 | 194 | 153 |
| D | Crowborough (Harecombe) | | J. Robertson, Esq. | 5 | 1 0 | 680 | 34·8 | 43·02 | 208 | 157 |
| d | Crowborough (The Beacon) | | A. R. Allcroft, Esq. | 5 | 1 0 | 796 | 36·7 | 45·40 | ... | 152 |
| D | Tunbridge Wells (Cousley Wood) | | A. Wilkin, Esq. | 5 | 1 0 | 415 | ... | 35·74 | 190 | 143 |
| D | Hartfield (Beechcroft) | | Miss E. A. Foyster | 5 | 1 0 | 370 | 34·5 | 39·73 | 221 | 143 |
| D | West Hoathley (Duckyls) | | Mrs. C. Moore | 5 | 1 0 | 600 | ... | 40·18 | 171 | 147 |
| d | Forest Row (Park Road) | | J. R. Coulthard, Esq. | 5 | 3 0 | 300 | ... | 39·10 | 162 | 138 |
| D | Frant (Henley Gardens) | | Col. Benskin | 5 | 1 0 | 440 | 32·2 | 42·98 | 184 | 150 |
| d | Frant (Eridge Castle) | | Mr. G. A. Funnell | 5 | 1 0 | 400 | 34·3 | 42·20 | 163 | 146 |
| D | Hartfield (Bolebroke) | | Mrs. P. R. Mann | 5 | 1 0 | 275 | 31·8 | 37·32 | 200 | 138 |
| D | Crawley Down (Grange Hill) | | Miss L. T. A. Buckley | 5 | 0 10 | 450 | 32·7 | 40·54 | 180 | 154 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SUSSEX—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **8.—THAMES. Mole. 27 sq. mi.** | | | | | | | | |
| D | Worth (Worth Lodge) | Miss M. C. Nix | 5 | 1 0 | 340 | 31·6 | 38·97 | 219 | 157 |
| D | Crawley (The Beeches) | M. Longley, Esq. | 8 | 1 0 | 220 | 31·2 | 40·91 | 183 | 145 |
| | **9.—THAMES. Wey. 10 sq. mi.** | | | | | | | | |
| | **HAMPSHIRE. (Area 1,627 sq. mi.)** | | | | | | | | |
| | **1.—ISLE OF WIGHT. 150 sq. mi.** | | | | | | | | |
| D | St. Catherine's Point (C.G.Stn.) | Station Officer (M.O.) | 8 | 0 8 | 150 | *27·8* | 30·38 | 169 | 121 |
| D | Ventnor (Royal National Hos.) | Medical Superintendent | 5 | 1 0 | 60 | 28·9 | 33·69 | 167 | 130 |
| D | Ventnor (Steephill Cove) | C. W. Lale, Esq. | 5 | 1 0 | 8 | ... | 31·75 | 176 | 134 |
| D | Ventnor (Cemetery) | Surveyor | 5 | 1 0 | 445 | *29·5* | 34·73 | 170 | 135 |
| D | Shanklin (Pomona Road) | Town Surveyor | 5 | 1 0 | 199 | *32·7* | 38·75 | 167 | 138 |
| D | Brighstone (Pitt Place) | late A. A. H. Wykeham, Esq. | 5 | 1 7 | 200 | *27·7* | 30·94 | 164 | 127 |
| D | Sandown (Sandham Gds.) | Town Clerk | 8 | 1 0 | 13 | *30·9* | 32·32 | 173 | 133 |
| D | The Needles (Golf Club) | Mrs. Newnham | 5 | 1 0 | 250 | *27·5* | 30·18 | 158 | 135 |
| D | Totland Bay (Aston House) | Hotel & Pier Co. (J. Dover) | 8 | 1 0 | 140 | 28·5 | 32·32 | 178 | 138 |
| D | Freshwater (Pumping Station) | Engineer in Charge | 8 | 1 0 | 5 | *28·8* | 32·73 | 196 | 132 |
| D | Newport (Recreation Ground) | Engineer & Surveyor | 5 | 1 0 | 48 | *32·9* | 35·99 | 176 | 141 |
| D | Binstead (The Quarry) | E. W. Pollard, Esq., B.Sc. | 8 | 1 6 | 60 | ... | 36·02 | 152 | 132 |
| D | Ryde (Esplanade Gardens) | Borough Engineer | 5 | 1 0 | 13 | *29·0* | 33·63 | 155 | 132 |
| D | Wootton (Bridge House) | Miss A. Brodie | 8 | 1 6 | 12 | ... | 33·28 | 160 | 135 |
| D | Ryde (Binstead House) | Head Gardener | 5 | 1 0 | 20 | ... | 39·57 | 172 | 146 |
| D§ | Cowes W.W. (Broadfields) | Engineer & Surveyor | 5 | 1 0 | 161 | *29·8* | 35·20 | 170 | 136 |
| D | Osborne | House Governor | 5 | 1 0 | 127 | *32·7* | 39·01 | 170 | 144 |
| | **2.—STOUR. 37 sq. mi.** | | | | | | | | |
| D | Bournemouth (East Cliff) | Miss M. Penrose, B.Sc. | 8 | 1 0 | 120 | *26·0* | 35·77 | 184 | 130 |
| D | Bournemouth (Vale View) | The Corp., A. C. Marsh, Esq. | 5 | 1 0 | 139 | 31·5 | 37·30 | 176 | 143 |
| D | Bournemouth (East Avenue) | J. E. Hewitt, Esq. | 5 | 1 0 | 143 | *28·6* | 39·80 | 171 | 143 |
| D | Bournemouth (Talbot Woods) | H. Constantine, Esq. | 5 | 1 0 | 110 | *29·1* | 42·80 | 174 | 146 |
| D | Christchurch (Hurn Court) | The Earl of Malmesbury | 8 | 1 3 | 19 | *32·2* | 39·91 | 179 | 143 |
| D | Ringwood (Athol Lodge) | Mrs. C. M. Robinson | 5 | 1 0 | 60 | *29·0* | 41·97 | 226 | 149 |
| | **3.—EAST AVON & C. 114 sq. mi.** | | | | | | | | |
| D | Christchurch (Harrow Lodge) | R. C. Bacon, Esq. | 8 | 1 0 | 135 | *31·3* | 40·99 | 192 | 143 |
| D | Ringwood (Bisterne) | Major J. D. Mills | 8 | 1 2 | 45 | *30·9* | 40·24 | 182 | 145 |
| D | Ringwood (Crow Hill) | Mrs. H. F. Rawstorne | 5 | 1 0 | 250 | *30·2* | 40·52 | 175 | 141 |
| D | Ringwood (Hangersley) | Col. E. G. St. Aubyn, D.S.O. | 5 | 0 9 | 200 | ... | 40·89 | 178 | 143 |
| D | Ringwood (Grey Friars) | Miss H. Christy | 5 | 1 0 | 50 | *28·4* | 40·48 | 171 | 129 |
| D | Ringwood (Linwood) | Miss R. M. Haines | 5 | 0 9 | 138 | *32·0* | 43·67 | 191 | 148 |
| D | Fordingbridge (Dockens) | E. W. Poore, Esq. | 8 | 1 0 | 140 | *31·1* | 39·88 | 163 | 133 |
| D | Fordingbridge (Furze Hill) | G. G. Smith, Esq. | 5 | 0 5 | 150 | ... | 41·42 | 179 | 146 |
| D | Fordingbridge (Oaklands) | Late S. B. Rake, Esq. | 8 | 1 0 | 135 | 31·7 | 37·06 | 180 | 138 |
| | **4.—TEST & SOLENT. 551 sq. mi.** | | | | | | | | |
| D | Milford-on-Sea (Farlights) | Mrs. F. W. Brown | 5 | 1 0 | 50 | ... | 36·24 | 195 | 139 |
| d | Lymington (The Salterns) | P. A. Ouvry, Esq. | 5 | 1 0 | 4 | *28·9* | 30·20 | ... | ... |
| | Pennington Cross (Greenodd) | Mrs. Reeves | 5 | 1 0 | 50 | ... | 33·85 | ... | ... |
| d | Lymington (Stanley Road) | E. A. Robins, Esq. | 5 | 1 0 | 5 | ... | 34·80 | 166 | 134 |

§ Turf wall round gauge.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **HAMPSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—TEST & SOLENT—(*contd.*).** | | | | | | | | |
| D | New Milton (Ashley County Sch.) | ... Headmaster ... ... ... | 5 | 0 8 | 98 | *30·7* | 36·07 | 187 | 142 |
| D | Sway (Gordleton) ... ... | ... W. F. Wright, Esq. ... | 5 | 1 6 | 102 | *29·7* | 38·65 | 187 | 144 |
| D | Lymington ... ... ... | ... Borough Engineer ... ... | 5 | 1 0 | 57 | ... | 36·48 | 170 | 139 |
| d | Boldre (Battramsley Close) ... | ... Mrs. Des Voeux ... ... | 5 | 1 1 | 119 | *31·8* | 36·87 | ... | ... |
| d | Exbury ... ... ... ... | ... L. N. de Rothschild, Esq. | 5 | 1 0 | 80 | *29·2* | 35·38 | ... | 127 |
| D | Burley (Sandys) ... ... | ... G. Mason, Esq. ... ... | 5 | 1 0 | 150 | *31·8* | 42·37 | 157 | 137 |
| D | Hythe (Buttsash Lane) ... | ... Miss J. M. Baker ... ... | 5 | 1 0 | 130 | *30·6* | 36·94 | 180 | 140 |
| | Hythe (Lawn Cottage) ... | ... D. Stewart, Esq. ... ... | 5 | 1 1 | 105 | ... | 34·34 | ... | ... |
| D | Cadnam (Skers Farm) ... ... | ... Lt. Col. J. W. Jeffreys, D.S.O. | 5 | 1 0 | 150 | *31·8* | 46·24 | 181 | 146 |
| D | Bartley (The Nurseries) ... | ... C. G. Haysom, Esq. ... | 5 | 1 0 | 100 | *32·0* | 45·18 | 158 | 141 |
| D | SOUTHAMPTON (East Park) ... | ... Director Ordnance Survey... | 5 | 1 0 | 64 | 30·9 | 36·65 | 167 | 129 |
| D | Southampton (Regents Park) ... | ... D. J. P. Kendall, Esq. ... | 5 | 1 0 | 60 | ... | 38·62 | 176 | 143 |
| M | Southampton Common Res. ... | ... J. Hawksley, Esq. ... ... | 5 | 1 0 | 193 | 30·8 | 35·56 | ... | ... |
| D | Romsey (Embley Gardens) ... | ... J. J. Crosfield, Esq.... ... | 5 | 1 0 | 130 | *30·3* | 40·08 | 182 | 142 |
| D | Romsey (Shootash Common) | ... A. G. Jeffreys, Esq. ... | 5 | 1 9 | 280 | ... | 40·21 | 194 | 144 |
| D | Romsey (Timsbury P.S.) ... | ... J. Hawksley, Esq. ... ... | 5 | 1 0 | 92 | 29·8 | 37·34 | 171 | 137 |
| D | Hursley (Merdon Manor) ... | ... Sir George Cooper, Bt. ... | 5 | 1 0 | 360 | ... | 38·71 | 186 | 141 |
| D | Sparsholt (Garstons) ... ... | ... Mrs. Simpson ... ... | 5 | 1 3 | 350 | ... | 41·08 | 178 | 147 |
| D | Stockbridge (Houghton Lodge) | ... Mr. G. Morris ... ... | 5 | 1 0 | 112 | *30·5* | 37·43 | 154 | 135 |
| d | Crawley (Chilbolton Down) ... | ... G. W. S. Beale, Esq. ... | 8 | 1 2 | 350 | *31·0* | 40·35 | ... | 138 |
| D | Stockbridge (LECKFORD Estate) | ... Managing Director ... | 5 | 1 0 | 385 | ... | 38·55 | 189 | 140 |
| D | Andover (Sewage Works) ... | ... Borough Surveyor ... ... | 8 | 0 8 | 180 | *28·9* | 38·36 | 189 | 142 |
| d | Whitchurch (Laverstoke Mills) | ... Dr.J.Knaggs,A.R.C.S.,F.I.C. | 8 | 1 10 | 250 | ... | 38·96 | 167 | 139 |
| D | St. Mary Bourne (Bournside) | ... Mrs. H. F. M. Boys ... | 5 | 1 1 | 300 | *29·4* | 36·49 | 187 | 144 |
| D | Worting (Manydown Park) ... | ... Col. A. S. Bates, D.S.O. ... | 5 | 1 0 | 415 | *30·2* | 38·41 | 174 | 142 |
| D | Whitchurch (Dunley Manor) ... | ... Sir Alfred Herbert ... ... | 5 | 1 0 | 500 | *30·8* | 40·25 | 194 | 151 |
| D | Linkenholt Manor ... ... | ... R. Dudley, Esq. ... ... | 5 | 1 0 | 700 | *32·5* | 42·83 | 185 | 151 |
| | **5.—ITCHEN & SPITHEAD. 422 sq. mi.** | | | | | | | | |
| D | Alverstoke (Monckton House) | ... Major J. Blake ... ... | 5 | 1 3 | 15 | *28·6* | 32·62 | 164 | 127 |
| d | South Hayling (Loridge) ... | ... D. S. Bird, Esq. ... ... | 5 | 0 10 | 10 | ... | 29·81 | ... | 120 |
| D | Gosport ... ... ... ... | ... Borough Surveyor ... ... | 8 | 0 9 | 30 | *28·8* | 33·93 | 167 | 134 |
| D | PORTSMOUTH (Victoria Park) ... | ... Medical Officer of Health ... | 5 | 1 0 | 15 | 27·7 | 31·64 | 162 | 123 |
| D | Portsmouth (Eastney) ... ... | ... City Engineer ... ... | 8 | 1 0 | 12 | *25·3* | 28·68 | 158 | 123 |
| d | South Hayling (C. of E. School) | ... H. J. Earney, Esq. ... ... | 5 | 1 6 | 10 | *26·1* | 32·28 | 165 | 131 |
| d | Hook-cum-Warwash ... ... | ... E. M. Biggs, Esq. ... ... | 5 | 1 0 | 50 | *28·6* | 34·28 | ... | ... |
| D | Farlington (Pumping Station) | ... Portsmouth Water Co. ... | 5 | 1 0 | 78 | *28·5* | 34·03 | 171 | 132 |
| D | Farlington (Reservoirs) ... | ... Portsmouth Water Co. ... | 5 | 1 0 | 117 | ... | 34·95 | 171 | 134 |
| D | Farlington (Filter Works) ... | ... Portsmouth Water Co. ... | 5 | 1 0 | 157 | *27·9* | 33·02 | 167 | 131 |
| D | Havant (Portsmouth W.W.) ... | ... Portsmouth Water Co. ... | 5 | 1 0 | 25 | *27·2* | 33·95 | 168 | 130 |
| d | Fareham (Fareham House) ... | ... W. S. Stevenson, Esq., M.D. | 5 | 1 6 | 30 | *29·2* | 35·14 | 150 | 128 |
| D | Fareham (West Street) ... | ... N. E. Neville, Esq.. ... | 5 | 1 0 | 41 | ... | 36·19 | 174 | 134 |
| D | Fareham (Maindell W.W.) ... | ... Engineer & Surveyor ... | 8 | 1 6 | 36 | ... | 37·79 | 186 | 140 |
| | Southwick (Pinsley Lodge) ... | ... Portsmouth Water Co. ... | 5 | 1 0 | 150 | *29·6* | 37·99 | ... | ... |
| D | Itchen Sewage Works ... ... | ... Boro. Engnr. Southampton | 5 | 5 8 | 13 | *30·0* | 36·84 | 154 | 139 |
| | Idsworth (Water Tower) ... | ... Portsmouth Water Co. ... | 5 | 1 0 | 202 | *31·0* | 41·26 | ... | ... |
| | Southwick (Upper Beckford Fm.) | ... Portsmouth Water Co. ... | 5 | 1 0 | 112 | *30·8* | 39·79 | ... | ... |
| D | Southampton (Portswood) ... | ... Boro. Engnr., Southampton | 5 | 1 0 | 10 | *29·7* | 34·20 | 166 | 127 |
| | Botley (Uplands Farm) ... | ... Wilmot H. Yates, Esq. ... | 5 | 1 0 | 60 | *31·5* | 37·46 | 168 | 138 |
| D | Curdridge (Kitnocks House) ... | ... Major C. F. Randolph ... | 5 | 1 0 | 185 | *30·7* | 39·42 | 194 | 137 |
| d | Southampton (Westridge Road) | ... J. W. Gillott, Esq., M.B.E. | 5 | 0 11 | 50 | ... | 36·52 | 170 | 131 |
| | Catherington Reservoir ... | ... Portsmouth Water Co. ... | 5 | 1 0 | 428 | *34·2* | 43·63 | ... | ... |
| D | Swanmore (Holywell House) ... | ... Mrs. M. Portal ... ... | 5 | 1 0 | 175 | *32·2* | 41·73 | 193 | 145 |
| D | Soberton (Mislingford) ... | ... Gosport W.W. Co. ... | 5 | 1 0 | 136 | *31·7* | 40·15 | 176 | 139 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **HAMPSHIRE—(*contd.*).** | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—ITCHEN & SPITHEAD—(*contd.*).** | | | | | | | | | |
| D | West End (Oaklands) | | Mrs. Pearson | 5 | 1 0 | 45 | *30·9* | 38·52 | 174 | 147 |
| D | Bishops Waltham (Park Ho.) | | A. F. Hardy, Esq. | 5 | 1 3 | 170 | *30·2* | 42·61 | 195 | 152 |
| D | Droxford (Upper Swanmore) | | H. Gadsby, Esq. | 5 | 1 0 | 312 | ... | 41·05 | 180 | 145 |
| d | Petersfield (Ditcham Pk.) | | Portsmouth Water Co. | 8 | 1 0 | 555 | ... | 43·69 | ... | 127 |
| D | Otterbourne (Kingfisher Lodge) | | Major T. T. Phelps | 5 | 0 10 | 80 | ... | 38·71 | 176 | 143 |
| D | Otterbourne W.W. | | J. Hawksley, Esq., O.B.E. | 5 | 1 0 | 113 | 30·7 | 40·49 | 197 | 152 |
| D | Twyford (Pumping Station) | | J. Hawksley, Esq., O.B.E. | 5 | 1 0 | 139 | 31·1 | 41·02 | 184 | 145 |
| D | Compton (Cross Ash) | | J. Durst, Esq. | 5 | 1 1 | 150 | *30·4* | 40·04 | 187 | 150 |
| D | Winchester (St. Cross) | | G. M. Mathews, Esq., C.B.E. | 5 | 1 0 | 135 | *30·7* | 38·63 | 187 | 148 |
| D | Winchester (Beaconsfield House) | | F. B. Heathcote Wride, Esq. | 8 | 1 0 | 228 | ... | 43·06 | 200 | 151 |
| D | Ovington Rectory | | Rev. H. L. Atkins | 5 | 1 0 | 221 | 33·2 | 42·84 | 181 | 149 |
| D | Bishop's Sutton | | H. C. Mills, Esq. | 5 | 1 0 | 260 | ... | 42·79 | 189 | 147 |
| d | Itchen Abbas (Chilland) | | W. J. Arnold, Esq. | 5 | 1 3 | 200 | *30·5* | 39·47 | 187 | 144 |
| D | Itchen Abbas (Itchen Lodge) | | late Lt.-Col. R. V. Savile | 8 | 1 0 | 200 | ... | 39·09 | 192 | 149 |
| | **6.—ARUN. 82 sq. mi.** | | | | | | | | | |
| d | Liss (Kippences) | | Rev. W. L. de B. Thorold | 5 | 0 9 | 250 | *33·3* | 46·98 | ... | 139 |
| D | Liss (Hawkley Hurst) | | T. Clive Davies, Esq. | 5 | 0 11 | 422 | *37·7* | 47·92 | 204 | 159 |
| | Greatham (Manor House) | | Capt. A. F. Coryton | 5 | 1 0 | 260 | *32·5* | 44·10 | ... | ... |
| D | Greatham (Le Court) | | Brig.-Gen. H. L. Knight, C.M.G., D.S.O. | 5 | 1 0 | 350 | *34·5* | 46·35 | 186 | 152 |
| | **7.—THAMES. Wey. 92 sq. mi.** | | | | | | | | | |
| D | Petersfield (Stoner Hill) | (+A) | C. J. P. Cave, Esq., J.P. | 5 | 1 0 | 748 | 38·1 | 48·35 | 190 | 156 |
| D | East Tisted (Rotherfield Park) | | Col. J. B. Scott | 5 | 1 3 | 500 | *37·1* | 47·26 | 190 | 158 |
| D | Selborne (The Wakes) | | Mrs. Bibby | 5 | 1 0 | 400 | 35·3 | 47·37 | 196 | 162 |
| D | Four Marks (Lynsted) | | J. C. Crocker, Esq. | 8 | 2 0 | 700 | ... | 42·98 | 168 | 145 |
| D | Alton (Treloar Cripples Hosp.) | | Secretary | 5 | 1 6 | 350 | ... | 41·58 | 183 | 146 |
| d | Alton (Wyck) | | H. F. Eames, Esq. | 5 | 1 2 | 450 | ... | 38·33 | ... | ... |
| D | Alice Holt Forest | | Forestry Commission | 8 | 1 0 | 264 | *30·0* | 41·84 | 223 | 142 |
| | Bentley (The Welches) | | J. Howarth Massey, Esq. | 5 | 1 0 | 300 | ... | 36·76 | ... | ... |
| | **8.—THAMES. Loddon. 164 sq. mi.** | | | | | | | | | |
| D | LONG SUTTON | | Lord Wandsworth College | 5 | 1 0 | 479 | *28·2* | 38·52 | 172 | 135 |
| D | Basingstoke (Upton Grey Ho.) | | G. Weisweiller, Esq. | 5 | 1 0 | 400 | *27·7* | 35·71 | 162 | 135 |
| D | Aldershot Waterworks | | Mid Southern Utility Co. | 5 | 1 0 | 251 | *27·0* | 35·20 | 186 | 131 |
| D | Aldershot Reservoirs | | Mid Southern Utility Co. | 5 | 1 0 | 393 | *27·2* | 36·07 | 178 | 141 |
| D | Odiham (Mill House) | | W. M. Dean, Esq. | 5 | 1 0 | 241 | *26·0* | 30·36 | 160 | 126 |
| d | Odiham (Sewage Works) | | Hartley Wintney R.D.C. | 5 | 1 0 | 240 | *26·5* | 32·00 | ... | 128 |
| d | Basingstoke (Chequers Road) | | W. J. Grover, Esq. | 5 | 1 3 | 310 | ... | 33·32 | ... | ... |
| D | Hook (Nately Hatch) | | R. C. Mallock, Esq. | 5 | 1 0 | 328 | *26·7* | 35·59 | 189 | 137 |
| D | Fleet (Home Wood) | | Mrs. L. M. Kent | 5 | 1 0 | 300 | *25·4* | 32·46 | 155 | 128 |
| D | Sherborne St. John | | A. G. Willis, Esq. | 5 | 2 2 | 260 | 29·0 | 35·71 | 177 | 147 |
| D | Rotherwick (Tylney Hall) | | Rt. Hon. Lord Rotherwick | 5 | 1 0 | 250 | *25·8* | 36·76 | 185 | 139 |
| D | Hartley Wintney (Warren Heath) | | Hartley Wintney R.D.C. | 5 | 1 0 | 226 | *25·8* | 31·69 | 173 | 135 |
| D | Hartley Wintney (S.D. Works) | | Hartley Wintley R.D.C. | 5 | 1 0 | 180 | ... | 32·47 | 165 | 138 |
| D | SOUTH FARNBOROUGH (R.A.E.) | (+A) | Meteorological Office | 8 | 1 0 | 226 | 26·1 | 32·03 | 171 | 132 |
| D | Winchfield (Elvetham Park) | | Mr. T. J. Brownjohn | 8 | 1 0 | 217 | *26·8* | 32·75 | 179 | 134 |
| D | BRAMLEY (Ordnance Depot) | | Deputy Commander R.E. | 5 | 1 0 | 196 | ... | 32·90 | 176 | 137 |
| D | Heckfield (Park Corner) | | Miss V. Martineau | 5 | 1 2 | 257 | 24·6 | 29·30 | 177 | 137 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **HAMPSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **9.—THAMES. Kennet. 65 sq. mi.** | | | | | | | | |
| D | Kingsclere (Isle Hill) ... ... | ... C. E. Harvard, Esq. ... | 5 | 1 6 | 500 | ... | 40·25 | 181 | 147 |
| D | Kingsclere (N. Sydmonton Ho.) | ... Lt.-Col. Kingsmill, D.S.O., M.C. ... ... | 5 | 1 2 | 350 | ... | 35·72 | 174 | 140 |
| d | Silchester House ... ... | ... T. M. Hartley, Esq. ... | 5 | 1 0 | 305 | *25·0* | 30·54 | 175 | 128 |
| | **BERKSHIRE. (Area, 722 sq. mi.)** | | | | | | | | |
| | **1.—TEST. 2 sq. mi.** | | | | | | | | |
| | **2.—THAMES. Bourne 15 sq. mi.** | | | | | | | | |
| D | Sunninghill (Blacknest P.S.) ... | ... Surveyor, Windsor R.D.C. | 8 | 1 0 | 130 | 26·0 | 31·27 | 182 | 136 |
| D | Sunninghill (Titness Farm) ... | ... Lt.-Col. J. N. Horlick, M.C. | 5 | 1 0 | 220 | 27·0 | 31·78 | 160 | 129 |
| | **3.—THAMES. Loddon & c. 162 sq. mi.** | | | | | | | | |
| D | Broadmoor Asylum ... ... | ... Medical Superintendent ... | 5 | 1 0 | 300 | 27·6 | 32·02 | 158 | 141 |
| D | Wokingham (Bucks Copse) ... | ... Borough Surveyor ... ... | 5 | 1 0 | 174 | 24·7 | 28·49 | 152 | 133 |
| D | Wokingham (Sindlesham Ho.) | ... Mr. W. Balcombe ... ... | 5 | 4 0 | 200 | 25·4 | 30·60 | 171 | 139 |
| D | Wokingham, (Reading Road)... | ... P. Chandler, Esq. ... ... | 5 | 1 0 | 182 | ... | 30·86 | 166 | 135 |
| D | Wokingham (Winnersh Nursery) | ... W. Bates, Esq. ... ... | 5 | 1 0 | 180 | ... | 28·98 | 183 | 135 |
| D | Winkfield (Maidens Green) ... | ... R. Crosbie-Hill, Esq. ... | 5 | 1 0 | 210 | 26·0 | 31·44 | 171 | 137 |
| D | READING (SEED TRIAL GROUNDS) | ... A. F. Sutton, Esq. ... ... | 5 | 1 0 | 141 | ... | 29·05 | 157 | 127 |
| D | Windsor (Forest Park Gardens) | ... A. G. W. Briars, Esq. ... | 5 | 0 10 | 150 | ... | 32·24 | 179 | 146 |
| D | Shurlock Row (Lewins) ... | ... J. C. Besly, Esq. ... ... | 5 | 0 9 | 146 | ... | 30·60 | 164 | 139 |
| D | Twyford (Beenham's Heath) ... | ... Mid-Wessex Water Co. ... | 5 | 1 0 | 136 | ... | 31·78 | 161 | 140 |
| D | Windsor (Bolton Road) ... | ... B. B. Summers, Esq. ... | 5 | 1 0 | 80 | ... | 31·87 | 185 | 142 |
| D | Windsor (Royal Gardens) ... | ... Mr. G. Simpson ... ... | 5 | 1 1 | 88 | 24·9 | 31·42 | 167 | 135 |
| D | Windsor (Clarence Crescent) ... | ... H. I. Bond, Esq. ... ... | 5 | 1 0 | 60 | ... | 30·00 | 170 | 137 |
| D | Twyford (Hare Hatch) ... | ... J. Waterer, Sons & Crisp, Ltd. | 5 | 1 0 | 180 | ... | 34·31 | 182 | 140 |
| D | Maidenhead (Shopperhangers Rd.) | ... G. Stow, Esq. ... ... | 5 | 1 6 | 180 | ... | 30·89 | 163 | 140 |
| D | Maidenhead (Sewage Wks.) ... | (+A) Borough Engineer ... ... | 5 | 1 0 | 81 | | 31·30 | 174 | 131 |
| | Pinkney's Green ... ... | ... R. P. Lord, Esq. ... ... | 5 | 0 10 | 240 | 26·7 | 32·98 | ... | ... |
| D | Maidenhead (Boulter's Lock) | ... Thames Conservancy ... | 5 | 1 6 | 82 | ... | 32·13 | 176 | 136 |
| D | Hambledon Lock ... ... | ... Mr. T. E. Wise ... ... | 5 | 2 0 | 105 | 27·0 | 33·17 | 205 | 141 |
| | **4.—THAMES. Kennet & c. 224 sq. mi.** | | | | | | | | |
| D | Inkpen (New Mill) ... ... | ... G. C. Goodhart, Esq. ... | 5 | 1 5 | 485 | 32·5 | 38·92 | 185 | 138 |
| D | Newbury (Greenham Common) | ... A. A. Lawrence, Esq. ... | 5 | 1 5 | 500 | ... | 36·30 | 173 | 140 |
| D | Mortimer (Oakfield) ... ... | ... Rev. G. G. Skipwith ... | 5 | 1 0 | 200 | 26·1 | 32·71 | 168 | 133 |
| | Brimpton (Stonehouse) ... | ... F. L. Hadden, Esq.... ... | 5 | 1 0 | 350 | 27·5 | 33·54 | ... | 112 |
| D | Hungerford Park ... ... | ... Mrs. A. G. Turner ... ... | 5 | 0 10 | 400 | ... | 33·71 | 170 | 143 |
| D | Newbury (Gloucester Road) ... | ... L. Giles, Esq. ... ... | 5 | 2 0 | 250 | ... | 34·31 | 197 | 142 |
| D | SHINFIELD (University Coll. Farm) | ... Prof. J. A. Crowther ... | 5 | 1 0 | 200 | ... | 30·55 | 176 | 133 |
| D | Bucklebury Place ... ... | ... Mr. J. E. Henshall ... ... | 5 | 1 0 | 409 | ... | 30·76 | 176 | 135 |
| D | Reading W.W. (Bath Road) ... | ... O. Kean, Esq., C.E. ... | 5 | 1 0 | 217 | 24·4 | 27·98 | 176 | 127 |
| D | Reading (Tilehurst) ... ... | ... Miss M. W. Latham ... | 5 | 1 0 | 200 | 25·6 | 31·98 | 186 | 131 |
| D | Reading (Forbury Gardens) ... | ... A. G. Long, Esq. ... ... | 5 | 1 8 | 143 | 24·9 | 28·05 | 166 | 117 |
| D | READING (University College) | ... Prof. J. A. Crowther ... | 5 | 1 0 | 152 | ... | 29·11 | 169 | 128 |
| D | Reading (Caversham Lock) ... | ... Thames Conservancy ... | 5 | 1 0 | 123 | ... | 29·20 | 166 | 132 |
| D | Caversham (St. Peter's Hill) ... | ... J. A. Sargent, Esq. ... ... | 5 | 1 4 | 140 | 25·0 | 30·22 | 151 | 121 |
| D | Chievely (Priors Court) ... | ... Mr. S. F. Tuffley ... ... | 5 | 1 0 | 403 | ... | 31·57 | 183 | 141 |
| d | Peasemore House ... ... | ... Mrs. E. Brown ... ... | 5 | 1 6 | 400 | ... | 27·85 | ... | 135 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | BERKSHIRE—(*contd.*). | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **5.—THAMES. Ock & c. 319 sq. mi.** | | | | | | | | |
| D | Stanford Dingley (Dingley Hill) | C. O. Lowsley, Esq. | 5 | 1 | 3 400 | ... | 30·63 | 170 | 134 |
| D | Reading (Englefield) | H. A. Benyon, Esq. | 5 | 1 | 0 175 | 27·4 | 29·89 | 175 | 133 |
| D | Bradfield Pumping Station | Mid-Wessex Water Co. | 5 | 1 | 0 174 | ... | 27·78 | 164 | 124 |
| d | Yattendon (Yattendon Court) | H. B. Gammer, Esq. | 8 | 2 | 4 360 | ... | 31·95 | ... | 132 |
| D | Pangbourne (Woodberry) | W. H. Keep, Esq. | 5 | 1 | 0 220 | ... | 31·51 | 179 | 140 |
| D | Pangbourne (Upper Basildon) | F. H. Crimp, Esq. | 5 | 1 | 0 464 | ... | 30·54 | 165 | 138 |
| D | Moulsford (The Old Vicarage) | E. R. Abbott, Esq. | 8 | 1 | 3 170 | ... | 31·42 | 174 | 132 |
| D | Upton (Manor House) | Miss S. Fry | 5 | 1 | 0 240 | ... | 25·72 | 174 | 127 |
| d | Wantage (Lockinge Estate Office) | Capt. J. H. Lane Fox | 5 | 1 | 1 400 | 27·8 | 29·46 | ... | ... |
| d | Uffington (Woolstone Lodge) | Miss A. E. Butler | 5 | 1 | 0 350 | 27·6 | 30·86 | ... | 121 |
| D | Wallingford (Winterbrook) | Frank K. Weedon, Esq. | 5 | 1 | 0 151 | 24·9 | 29·16 | 170 | 133 |
| D | Wallingford (Wantage Road) | A. Tame, Esq. | 5 | 1 | 0 184 | ... | 25·42 | 147 | 109 |
| D | Wallingford (Style Acre) | A. L. Morphew, Esq. | 5 | 1 | 4 200 | 25·2 | 27·39 | 183 | 134 |
| D | Didcot (Sewage Works) | Wallingford R.D.C. | 5 | 0 | 9 170 | ... | 26·64 | 177 | 137 |
| D | Faringdon (Shellingford Ho.) | Mrs. K. Marshall | 5 | ... | ... 275 | ... | 29·60 | 165 | 134 |
| D | Appleford (The New House) | Miss G. M. Tolson | 5 | 0 | 9 160 | ... | 24·80 | 188 | 136 |
| | Long Wittenham (The Manor Ho.) | Mrs. J. Hall | 12 | 0 | 9 170 | 25·3 | 26·62 | ... | ... |
| D | Abingdon (Sewage Works) | Borough Surveyor | 8 | 1 | 0 170 | 22·8 | 26·60 | 185 | 137 |
| D | Abingdon (The Firs) | Miss M. R. Challenor | 5 | 1 | 3 180 | 23·7 | 26·48 | 192 | 133 |
| D | Abingdon (Christ's Hospital) | W. T. Morland, Esq. | 5 | 1 | 0 190 | ... | 26·52 | 187 | 140 |
| D | Abingdon (Frilford Heath) | R. W. Langford, Esq. | 5 | 1 | 0 240 | ... | 26·96 | 198 | 134 |
| W | Abingdon (Kingston Bagpuize) | G. A. Maclean, Esq. | 8 | 2 | 6 270 | ... | 25·46 | ... | ... |
| D | ABINGDON (+A) | Meteorological Office | 5 | 1 | 0 210 | ... | 26·94 | 174 | 128 |
| D | Abingdon (Sandford Lane, S.W.) | W. J. Lee, Esq. | 8 | 1 | 5 220 | ... | 25·99 | 171 | 135 |
| D | Abingdon (Wootton Waterworks) | Borough Surveyor | 5 | 1 | 0 265 | ... | 27·52 | 184 | 132 |
| D | Oxford (Kennington Manor Grove) | M. Nimmo, Esq. | 5 | 1 | 0 225 | ... | 27·03 | 183 | 137 |
| D | Boars Hill (Blackthorn) | A. C. Pilkington, Esq. | 5 | 1 | 0 410 | 25·6 | 28·25 | 187 | 137 |
| D | Oxford (Kennington Nursery) | Forestry Commission | 5 | 1 | 0 350 | 24·7 | 25·72 | 173 | 135 |
| D | Eynsham (Swinford P.S.) | H. H. Crawley, Esq., C.E. | 5 | 1 | 0 203 | ... | 27·50 | 172 | 130 |

## DIVISION III—SOUTH MIDLAND COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **MIDDLESEX. (Area 232 sq. mi.)** | | | | | | | | |
| | **1.—THAMES. Colne & Brent. 185 sq. mi.** | | | | | | | | |
| D | Weybridge (Shepperton Lock) | Thames Conservancy | 5 | 1 | 0 41 | 23·1 | 28·80 | 160 | 136 |
| D | Sunbury (Riverdale) | Mrs. R. I. Wolferston | 5 | 1 | 0 30 | ... | 28·86 | 161 | 131 |
| D | Littleton (Queen Mary Res.) | Met. Water Board | 5 | 1 | 0 44 | 23·0 | 30·38 | 156 | 134 |
| D | Hampton Waterworks (*new g.*) | Met. Water Board | 5 | 2 | 0 45 | 22·7 | 28·91 | 164 | 133 |
| d | Kempton Waterworks | Met. Water Board | 5 | 1 | 0 40 | 22·6 | 28·02 | 152 | 125 |
| D | Hampton (Refuse Disp. Works) | L. G. Hamlin, Esq. | 5 | 1 | 1 60 | ... | 30·19 | 162 | 141 |
| D | Staines (Pumping Station) | Met. Water Board | 5 | 1 | 0 55 | ... | 28·54 | 159 | 129 |
| D | Staines Reservoir (West Side) | Met. Water Board | 5 | 1 | 6 53 | 23·8 | 30·48 | 159 | 130 |
| D | Isleworth (Mogden Wks.) (+A) | C. B. Townend, Esq., C.E. | 5 | 1 | 0 33 | ... | 29·12 | 161 | 132 |
| D | Longford (Perry Oaks Disp. Wks.) | C. B. Townend, Esq., C.E. | 5 | 1 | 0 77 | ... | 33·61 | 168 | 136 |
| D | Hounslow (Pawnall Gardens) | P. W. Miller, Esq. | 5 | 2 | 0 70 | ... | 29·41 | 176 | 138 |
| D | Sipson (Hollycroft) | R. R. Robbins, Esq. | 5 | 1 | 0 94 | 22·5 | 31·01 | 164 | 138 |
| D | Kew Bridge (Waterworks) | Met. Water Board | 5 | 1 | 3 36 | 24·1 | 30·62 | 158 | 126 |
| D | Hanwell (+A) | Middlesex County Council | 5 | 1 | 9 36 | 24·5 | 31·18 | 167 | 138 |
| D | Ealing (St. Paul's Vicarage) | Rev. A. H. Cooper | 5 | 1 | 6 100 | 24·7 | 31·11 | 188 | 144 |
| D | Ealing (Hanger Hill Reservoir) | Met. Water Board | 5 | 1 | 0 206 | 24·7 | 31·84 | 159 | 134 |
| D | Willesden Reservoir | Met. Water Board | 5 | 1 | 0 167 | 25·6 | 33·76 | 173 | 137 |
| D | Willesden (Stonebridge Pk.) | Borough Engineer | 5 | 5 | 9 100 | ... | 33·47 | 158 | 137 |

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **MIDDLESEX—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—THAMES. Colne & Brent—(*contd.*).** | | | | | | | | |
| D | Northolt Park | H. J. Harley, Esq. | 8 | 1 0 | 189 | ... | 32·23 | 194 | 141 |
| d | Sudbury (36, Station Approach) | R. M. Eadie, Esq. | 5 | 0 11 | 152 | ... | 32·38 | ... | 125 |
| D | Wembley (Town Hall) | C. S. Trapp, Esq., B.Sc., C.E. | 5 | 1 0 | 187 | ... | 32·89 | 171 | 142 |
| D | Harrow (Oakhurst) | A. Gardner, Esq. | 5 | 1 6 | 295 | 24·2 | 32·45 | 183 | 144 |
| D | Brent Reservoir | Grand Union Canal Co. | 5 | 1 3 | 138 | ... | 34·51 | 185 | 141 |
| D | Ruislip (+A) | Middlesex County Council | 5 | 1 6 | 142 | ... | 32·84 | 197 | 140 |
| D | Harrow (Headstone Road) | S. Hyla Greves, Esq. | 5 | 1 0 | 208 | ... | 33·06 | 198 | 144 |
| D | Hendon (Council Depot) | A. O. Knight, Esq., C.E. | 8 | 1 0 | 157 | ... | 32·57 | 181 | 143 |
| D | Golders Green (Garden Suburb Sch.) | Headmaster | 5 | 1 6 | 200 | ... | 31·31 | 158 | 134 |
| D | E. Finchley (Devon Rise) | A. G. Culmer, Esq. | 5 | 1 6 | 200 | ... | 30·80 | 176 | 134 |
| D | Finchley (Church End) | Sister Marie Jacques | 5 | 0 8 | 296 | ... | 34·01 | 195 | 148 |
| D | Ruislip Reservoir | Grand Union Canal Co. | 5 | 1 3 | 170 | ... | 33·30 | 216 | 142 |
| D | Pinner (Hillcrest Avenue) | C. S. Lewis, Esq. | 5 | 1 0 | 200 | ... | 32·05 | 179 | 141 |
| D | WEALDSTONE (Kodak Works) | Messrs. Kodak, Ltd. | 5 | 1 0 | 204 | 25·3 | 32·07 | 174 | 142 |
| D | Northwood (Ravenswood) | M. T. Allen, Esq. | 5 | 2 0 | 365 | ... | 32·44 | 181 | 147 |
| D | Edgware M.C.C. Depot (+A) | Middlesex County Council | 5 | 0 9 | 179 | 25·8 | 34·13 | 172 | 143 |
| W | Mill Hill (Lyndhurst Av.) | Capt. C. E. Mills | 5 | 1 0 | 200 | ... | 34·39 | ... | ... |
| D | Stanmore (+A) | Harrow U.D.C. | 5 | 1 6 | 281 | ... | 33·44 | 168 | 137 |
| D | Edgware (Francklyn Gardens) | A. R. Bill, Esq. | ... | ... ... | 250 | ... | 31·05 | 163 | 122 |
| D | Elstree (Ridgeway) | Major N. G. Brett-James | 5 | 0 10 | 450 | ... | 31·26 | 164 | 122 |
| D | Potters Bar (Mount Grace) | E. Halsey, Esq. | 5 | 1 3 | 375 | 26·1 | 34·40 | 184 | 150 |
| | **2.—THAMES. Lea. 47 sq. mi.** | | | | | | | | |
| D | Crouch End (Priory Park) | J. H. M. Richards, Esq., C.E. | 5 | 1 0 | 118 | 25·8 | 28·96 | 167 | 141 |
| D | Hornsey (High Street) | Met. Water Board | 5 | 1 0 | 107 | 24·9 | 30·61 | 162 | 135 |
| D | Harringay (Wightman Rd.) | J. H. M. Richards, Esq., C.E. | 5 | 1 0 | 90 | ... | 28·22 | 164 | 136 |
| D | Muswell Hill (Council Nurseries) | J. H. M. Richards, Esq., C.E. | 5 | 1 0 | 209 | 26·1 | 29·39 | 174 | 138 |
| D | Wood Green (Maryland Road) | F. C. Hornsey, Esq. | 8 | 1 0 | 110 | ... | 32·48 | 180 | 147 |
| D | Finchley (Victoria Park) | P. M. Spencer, Esq., C.E. | 5 | 0 11 | 300 | 26·3 | 34·53 | 173 | 138 |
| D | Palmers Gr. (Broomfield Pk.) (+A) | J. T. W. Peat, Esq. | 8 | 1 6 | 136 | 24·7 | 32·95 | 169 | 140 |
| D | ENFIELD (Sewage Works) | Engineer and Surveyor | 5 | 1 2 | 39 | ... | 29·92 | 156 | 132 |
| D | SOUTHGATE (Oakwood Park) (+A) | J. T. W. Peat, Esq. | 5 | 1 0 | 220 | ... | 32·55 | 175 | 134 |
| D | Ponders End Pumping Station | Met. Water Board | 5 | 1 0 | 45 | 23·3 | 28·04 | 164 | 128 |
| D | Enfield (Southbury Road) | Met. Water Board | 5 | 1 0 | 148 | 24·7 | 31·78 | 175 | 139 |
| D | Enfield (Forty Hill) | Dr. E. C. Carter | 5 | 0 11 | 125 | ... | 31·73 | 184 | 140 |
| D | Enfield (Roselands, Turkey St.) | E. S. Rashleigh, Esq. | 5 | 1 0 | 80 | 23·2 | 29·71 | 174 | 135 |
| D | Enfield (Whitewebbs Park) | Engineer & Surveyor | 5 | 1 2 | 120 | ... | 30·77 | 167 | 131 |
| D | Waltham Cross (Sewage Works) | Cheshunt U.D.C. | 5 | 1 0 | 61 | 22·6 | 28·70 | 171 | 134 |
| | **HERTFORDSHIRE. (Area 635 sq. mi.)** | | | | | | | | |
| | **1.—THAMES. Thame. 10 sq. mi.** | | | | | | | | |
| D | Tring (Pendley Manor) | D. Williams, Esq. | 5 | 1 0 | 420 | 28·4 | 35·04 | 184 | 147 |
| | **2.—THAMES. Colne & Brent. 199 sq. mi.** | | | | | | | | |
| D | Northwood (St. Mary's Ave.) | R. H. Daw, Esq. | 5 | 1 0 | 231 | ... | 33·40 | 185 | 139 |
| D | Batchworth Heath (Bathend) | H. H. Annetts, Esq. | 5 | 1 0 | 364 | ... | 32·97 | 199 | 145 |
| D | Northwood (Moor Park) | H. L. Lewis, Esq. | 5 | 1 0 | 220 | ... | 35·97 | 195 | 147 |
| D | Bushey Heath (California La.) | Miss C. C. Cooper | 5 | 1 0 | 550 | 26·0 | 32·55 | 159 | 135 |
| D | Bushey Heath Res. | Colne Valley Water Co. | 5 | 1 3 | 520 | ... | 33·12 | 167 | 139 |
| D | Totteridge (Gt. Bushey Drive) | J. Monger, Esq. | 5 | 0 11 | 250 | ... | 35·42 | 193 | 140 |

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **HERTFORDSHIRE—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **2.—THAMES. Colne & Brent—(*contd.*).** | | | | | | | | |
| D | Batchworth (Pumping Stn.) ... ... | L. F. Hobbs, Esq., C.E. ... | 5 | 1 2 | 156 | ... | 34·56 | 195 | 141 |
| D | Rickmansworth (The Island) ... ... | Grand Union Canal Co. ... | 5 | 1 0 | 155 | ... | 32·92 | 190 | 138 |
| D | Watford (Pinner Road) ... ... | M. H. K. Irwin, Esq. ... | 5 | 1 0 | 290 | ... | 33·80 | 181 | 140 |
| D | Croxley Green (Hill Cottage) ... | B. P. Waller, Esq. ... ... | 5 | 1 0 | 240 | ... | 33·57 | 171 | 140 |
| D | Barnet (Sewage Works) ... (+A) | E. Scott, Esq., C.E. ... | 5 | 1 0 | 295 | ... | 34·22 | 176 | 133 |
| D | Boreham Wood (Furzehill Road) ... | H. T. Court, Esq. ... ... | 5 | 1 0 | 302 | ... | 33·66 | 193 | 144 |
| | Elstree (Aldenham Res.) ... ... | Colne Valley Water Co. ... | 5 | 1 0 | 330 | ... | 32·78 | ... | ... |
| D | Watford ... ... ... ... ... | Colne Valley Water Co. ... | 5 | 4 6 | 204 | 25·6 | 31·58 | 176 | 137 |
| D | Watford (Waterworks) ... ... | L. C. Kimberlin, Esq., C.E. | 8 | 2 10 | 170 | 25·9 | 33·22 | 187 | 138 |
| D | Heronsgate (Waterfield Ho.) ... ... | J. M. Richardson, Esq. ... | 5 | 1 0 | 390 | ... | 35·07 | 174 | 143 |
| D | Aldenham (Delrow School) ... ... | Headmaster* ... ... | 5 | 1 0 | 298 | ... | 32·52 | 186 | 140 |
| D | Watford (Callowland) ... ... ... | K. C. Rees, Esq. ... ... | 5 | 1 0 | 250 | ... | 31·24 | 188 | 140 |
| D | Garston (Building Research Sta.) ... | The Director ... ... | 5 | 1 0 | 250 | ... | 34·32 | 184 | 140 |
| D | Kings Langley (Fir Tree Cottage) ... | Edward Toms, Esq. ... | 5 | 1 0 | 278 | 28·1 | 35·25 | 192 | 150 |
| D | Kings Langley (Ruckler's Lane) ... | L. H. Dennett, Esq. ... | 5 | 1 0 | 264 | ... | 34·77 | 194 | 141 |
| D | North Mimms, P.S. ... ... (+A) | Barnet Gas & Water Co. ... | 5 | 1 0 | 254 | ... | 30·83 | 173 | 131 |
| D | Hemel Hempstead (Felden) ... ... | Late A. T. Collier, Esq. ... | 5 | 1 0 | 500 | ... | 36·39 | 182 | 139 |
| D | Hemel Hempstead (Apsley Mills) ... | Messrs. J. Dickinson & Co. | 24 | 1 4 | 268 | 27·9 | 34·34 | 188 | 139 |
| | Boxmoor (Moorlands)... ... ... | L. W. Swainson, Esq. ... | 5 | 1 0 | 300 | ... | 36·43 | ... | ... |
| D | Colney Heath (Tyttenhanger P.S.) ... | Barnet Gas & Water Co. ... | 5 | 1 0 | 241 | 25·7 | 28·42 | 182 | 140 |
| d | St. Albans (Hill End Hosp.) ... ... | Controller ... ... ... | 5 | 1 0 | 295 | 25·1 | 28·97 | 164 | 138 |
| D | St. Albans (Stonecross P.S.) ... ... | L. W. Ball, Esq. ... ... | 5 | 1 0 | 412 | ... | 29·61 | 174 | 130 |
| D | St. Albans (Oaklands Inst.) ... ... | Principal ... ... ... | 5 | 1 0 | 272 | 24·9 | 27·48 | 179 | 132 |
| D | St. Albans (Gorhambury) ... ... | Head Gardener ... ... | 5 | 1 0 | 432 | 27·9 | 34·87 | 181 | 144 |
| D | Hatfield (Hatfield P. Stn.) ... ... | Barnet Gas & Water Co. ... | 5 | 1 0 | 340 | 24·7 | 29·97 | 179 | 144 |
| D | Berkhamsted (Rossway) ... ... | The Lady Hadden ... ... | 5 | 1 1 | 590 | ... | 38·65 | 203 | 157 |
| d | Berkhamsted (Amersfort) ... ... | W. S. Cohen, Esq. ... ... | 5 | 0 9 | 510 | ... | 34·99 | 168 | 143 |
| D | Berkhamsted (Frithesden Copse) ... | H. V. Gray, Esq. ... ... | 5 | 1 0 | 550 | ... | 36·87 | 185 | 148 |
| D | Tring (Cowroast Lock) ... ... | Grand Union Canal Co. ... | 5 | 1 0 | 390 | 28·4 | 34·08 | 197 | 142 |
| d | Harpenden (West Common Way) ... | R. Meldrum, Esq. ... ... | 5 | 1 0 | 420 | ... | 32·21 | ... | 137 |
| D | Harpenden (Rothamsted) ... (+A) | Lawes Agricultural Trust ... | 8 | 0 9 | 420 | 26·7 | 30·42 | 182 | 134 |
| D | Harpenden (Rothamsted) ... ... | Lawes Agricultural Trust ... | 5 | 1 0 | 420 | 27·3 | 30·69 | 183 | 135 |
| D | Harpenden (Rothamsted) ... ... | Lawes Agricultural Trust | 72×87 | 0 9 | 420 | 28·6 | 32·74 | 193 | 137 |
| D | Markyate Waterworks ... ... | B. Ll. Stephenson, Esq. ... | 5 | 1 0 | 538 | ... | 34·58 | 199 | 149 |
| | **3.—THAMES. Lea. 340 sq. mi.** | | | | | | | | |
| d | Cheshunt Cemetery ... ... ... | Cheshunt U.D.C. ... ... | 5 | 0 11 | 160 | ... | 30·41 | 185 | 136 |
| D | Cheshunt Yard ... ... ... ... | Met. Water Board ... ... | 5 | 1 0 | 100 | 24·1 | 30·09 | 200 | 139 |
| D | Cheshunt (Darnicle Hill P. Stn.) ... | Met. Water Board ... ... | 5 | 1 0 | 250 | 26·2 | 33·25 | 192 | 145 |
| D | Hatfield (Clarke's Road) ... ... | C. A. Barnes, Esq. ... ... | 8 | 1 0 | 270 | ... | 29·45 | 193 | 136 |
| D | Broxbourne (Broxbournebury) ... | Mr. D. Cake ... ... | 5 | 1 0 | 140 | ... | 31·00 | 198 | 141 |
| D | Hoddesdon ... ... ... ... | H. F. Hayllar, Esq. ... | 5 | 3 0 | 130 | 23·7 | 29·75 | 180 | 138 |
| D | Hoddesdon (Feilde's Weir) ... ... | Met. Water Board ... ... | 5 | 3 8 | 95 | 23·7 | 30·32 | 187 | 136 |
| D | Haileybury College ... ... ... | Headmaster ... ... ... | 8 | 1 0 | 270 | 24·8 | 34·53 | 190 | 141 |
| D | Hertford (Cole Green) ... ... | Lee Conservancy Catchm. Bd. | 5 | 1 0 | 240 | ... | 30·45 | 184 | 148 |
| D | Gilston Park ... ... ... ... | G. R. Nelson, Esq. ... | 8 | 1 0 | 175 | ... | 29·08 | 180 | 133 |
| D | Welwyn Garden City (Sewage Wks.) | Engineer & Surveyor ... | 5 | 1 0 | 246 | 24·7 | 28·41 | 179 | 135 |
| D | Hertford (Sewage Works) ... ... | Met. Water Board ... ... | 5 | 1 0 | 123 | 23·3 | 29·35 | 187 | 134 |
| D | Ware (Red House) ... ... ... | Met. Water Board ... ... | 5 | 1 0 | 105 | 23·5 | 28·39 | 180 | 136 |
| D | Ware (Grammar School) ... ... | Headmistress ... ... | 5 | 1 2 | 118 | 23·0 | 29·73 | 174 | 135 |
| D | Wheathampstead (Water End. Ho.) ... | late Lt.-Col. B. J. Walker ... | 5 | 1 0 | 255 | ... | 31·11 | 168 | 133 |
| D | Blakesware ... ... ... ... | Lee Conservancy Catchm. Bd. | 5 | 0 9 | 230 | ... | 29·81 | 171 | 142 |
| D | Welwyn (Sewage Works) ... ... | C. B. Borthwick, Esq., C.E. | 8 | 0 11 | 260 | ... | 29·97 | 190 | 144 |

* *Per* Hertfordshire Natural History Society.

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **HERTFORDSHIRE—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **3.—THAMES. Lea—(*contd.*).** | | | | | | | | |
| d | Welwyn (Codicote Lodge) ... ... | Head Gardener ... ... | 5 | 1 0 | 340 | 25·8 | 27·99 | ... | 134 |
| D | Much Hadham (Moor Place) ... | R. C. Norman, Esq. ... | 5 | 1 0 | 270 | ... | 30·53 | 172 | 135 |
| D | Bishop's Stortford (Little Canes) ... | Hugh W. Hart, Esq. ... | 5 | 1 0 | 250 | ... | 29·18 | 192 | 140 |
| D | Breachwood Green School ... ... | S. J. Simpson, Esq. ... | 5 | 1 0 | 489 | ... | 30·35 | 167 | 138 |
| d | Breachwood Gr. (Oxford Road) ... | Surveyor to Hitchin R.D.C. | 8 | 1 0 | 480 | ... | 30·22 | 162 | 134 |
| d | Bishop's Stortford (Dunmow Rd.) ... | H. J. Holmes, Esq. ... | 5 | 1 1 | 290 | ... | 28·77 | ... | 127 |
| D | Little Hadham (Hadham Hall) ... | Miss S. Minet ... ... | 5 | 1 0 | 338 | 24·5 | 28·76 | 171 | 144 |
| D | Braughing (Upp Hall) ... ... ... | Lady Brodie Henderson ... | 5 | 1 6 | 370 | ... | 29·64 | 189 | 142 |
| D | Buntingford (Chipping) ... ... | Lee Conservancy Catchm. Bd. | 5 | 0 7 | 340 | ... | 26·64 | 170 | 135 |
| D | Royston (Therfield Rectory) ... ... | Rev. H. R. Humphreys ... | 5 | 1 0 | 512 | 25·2 | 29·25 | 202 | 145 |
| D | Offley (School House) ... ... ... | Headmaster ... ... ... | 5 | 1 2 | 526 | 25·4 | 27·69 | 164 | 130 |
| D | Hitchin (Knightswood) ... ... | H. Cooke, Esq. ... ... | 5 | 1 2 | 300 | ... | 29·30 | 199 | 143 |
| | **4.—OUSE. 86 sq. mi.** | | | | | | | | |
| d | Letchworth (Museum) ... ... | Surveyor U.D.C. ... ... | 5 | 1 0 | 290 | 22·3 | 26·87 | ... | 132 |
| D | Sandon (Wheathill) ... ... ... | C. Reyersbach, Esq. ... | 5 | 1 0 | 472 | ... | 28·39 | 185 | 133 |
| D | Royston (Earls Hill House) ... ... | Col. E. C. M. Phillips, D.S.O. | 8 | 1 3 | 225 | 23·6 | 28·50 | 195 | 138 |
| | **BUCKINGHAMSHIRE. (Area 743 sq. mi.)** | | | | | | | | |
| | **1.—THAMES. Cherwell. 30 sq. mi.** | | | | | | | | |
| | Little Gaddesden (Ringshall End) ... | late H. C. Bradby, Esq. ... | 5 | 1 3 | 700 | 28·9 | 31·46 | ... | ... |
| D | Dagnall (Ivinglea) ... ... ... | E. L. Hawke, Esq., M.A. ... | 5 | 1 0 | 550 | ... | 36·79 | 220 | 154 |
| | **2.—THAMES. Thame. 158 sq. mi.** | | | | | | | | |
| D | Princes Risborough (Research Lab.) | Director ... ... ... | 5 | 1 0 | 333 | ... | 32·21 | 176 | 140 |
| D | Ellesborough (Long Hazard) ... ... | Sir L. H. West, O.B.E. ... | 5 | 1 2 | 400 | ... | 30·21 | 163 | 136 |
| D | Little Kimble ... ... ... ... | Dr. L. T. Burra ... ... | 5 | 0 10 | 370 | 25·0 | 28·40 | 171 | 124 |
| D | AYLESBURY (County Farm) ... ... | Bucks. W.A.E.C. ... ... | 5 | 1 0 | 316 | ... | 29·72 | 156 | 141 |
| D | Tring (Bulbourne) ... ... ... | Grand Union Canal Co. ... | 5 | 1 0 | 401 | 26·2 | 34·11 | 196 | 141 |
| D | Aylesbury (Sewage Works) ... ... | Engineer & Surveyor ... | 5 | 1 0 | 251 | 25·9 | 29·13 | 175 | 136 |
| D | Mentmore Gardens ... ... ... | Mr. T. Lindores ... ... | 5 | 1 3 | 400 | 25·0 | 29·43 | 173 | 136 |
| | **3.—THAMES. Wye & c. 129 sq. mi.** | | | | | | | | |
| D | Eton (Tangier Island) ... ... (+A) | G. S. Baker, Esq. ... ... | 5 | 0 8 | 68 | 24·6 | 32·56 | 187 | 145 |
| D | Slough (Upton) ... ... ... | Mrs. L. R. Bentley ... | 5 | 1 0 | 78 | 23·9 | 32·34 | 188 | 141 |
| D | Taplow Court Gardens ... ... | G. H. Emmett, Esq. ... | 5 | 1 0 | 212 | 23·9 | 33·15 | 187 | 139 |
| D | Henley-on-Thames (Greenlands) ... | Lord Hambleden ... ... | 5 | 1 0 | 125 | 27·1 | 31·24 | 162 | 134 |
| D | Burnham Waterworks P.S. ... ... | The Secretary ... ... | 5 | 1 0 | 180 | ... | 33·37 | 192 | 136 |
| D | Bourne End ... ... ... ... | Major Forbes Holland ... | 5 | 1 0 | 96 | ... | 30·33 | 188 | 140 |
| d | Bourne End (Hedsor) ... ... ... | J. Wood, Esq. ... ... | 8 | 1 0 | 170 | ... | 32·49 | ... | 136 |
| D | Marlow (High Street) ... ... ... | H. Badger, Esq. ... ... | 5 | 1 0 | 120 | ... | 31·75 | 180 | 135 |
| D | Hambledon (Hatchmans) ... ... | Prof. G. E. Gask, C.M.G., D.S.O. ... ... ... | 5 | 0 8 | 185 | ... | 36·74 | 188 | 149 |
| D | High Wycombe (Flackwell Hth.) ... | W. C. F. Fairley, Esq. ... | 5 | 1 10 | 365 | 26·8 | 34·01 | 181 | 144 |
| D | High Wycombe (Pann Mill P.S.) ... | S. Young, Esq. ... ... | 8 | 1 1 | 219 | ... | 35·55 | 179 | 143 |
| M | High Wycombe (Lane End Res.) ... | S. Young, Esq. ... ... | 5 | 1 0 | 659 | ... | 37·10 | ... | ... |
| D | Penn (Rayners) ... ... ... ... | Mr. E. Peett ... ... | 5 | 1 10 | 547 | 29·4 | 37·34 | 172 | 145 |
| D | Radnage (Yewsden) ... ... ... | Rev. H. E. Cooper ... | 5 | 1 11 | 430 | ... | 38·44 | 174 | 143 |
| D | Hampden House ... ... ... | The Earl of Buckinghamshire | 5 | 1 0 | 695 | 29·2 | 34·67 | 212 | 153 |

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with .01 in. or more | Days with .04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **BUCKINGHAMSHIRE—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **4.—THAMES. Colne 133 sq. mi.** | | | | | | | | |
| D | Slough (Ditton Park) | Admiralty | 5 | 2 0 | 70 | 24·7 | 36·93 | 191 | 148 |
| D | Gerrards Cross (Mill Lane) | A. L. Carroll, Esq. | 5 | 1 0 | 280 | ... | 33·89 | 176 | 138 |
| d | Denham Golf Club | Secretary | 5 | 1 0 | 210 | 26·4 | 32·77 | ... | 133 |
| D | Gerrards Cross (Bulstrode Gdns.) | R. G. Baty, Esq. | 5 | 1 6 | 280 | 27·2 | 33·80 | 185 | 142 |
| D | Beaconsfield | S. H. Dyer, Esq. | 5 | 1 0 | 350 | 27·7 | 36·42 | 186 | 141 |
| D | Chalfont St. Giles (The Colony) | J. W. Edwards, Esq. | 8 | 1 2 | 340 | ... | 35·41 | 185 | 140 |
| D | Coleshill (Rushymead) | Mr. F. Aldridge | 5 | 0 7 | 550 | ... | 38·19 | 186 | 154 |
| D | Amersham Waterworks | F. L. Gordon, Esq. | 8 | 1 0 | 292 | ... | 37·16 | 187 | 146 |
| D | Gt. Missenden (Pumping Stn.) | L. F. Hobbs, Esq., C.E. | 5 | 0 11 | 372 | 27·6 | 36·59 | 181 | 150 |
| D | Chesham (Nashleigh Hill) | Mrs. Hayes | 5 | 1 0 | 534 | 29·1 | 35·56 | 201 | 147 |
| D | Wendover (Pumping Station) | Bucks Water Bd. | 8 | 1 0 | 486 | ... | 36·83 | 208 | 156 |
| d | Mayortorne Manor | The Headmistress | 5 | 1 0 | 500 | 28·7 | 34·80 | (210) | (146) |
| | **5.—OUSE. 293 sq. mi.** | | | | | | | | |
| D | Oving House | Head Gardener | 5 | 1 0 | 515 | 26·4 | 28·81 | 187 | 137 |
| D | Buckingham (Market Hill) | A. Pettipher, Esq. | 5 | 1 0 | 300 | 25·3 | 26·26 | 190 | 123 |
| D | Wolverton (Gables Lodge) | J. Forster, Esq. | 5 | 1 0 | 264 | 24·0 | 28·99 | 175 | 138 |
| d | Wolverton (Council School) | The Headmaster | 5 | 5 0 | 263 | 22·9 | 28·74 | ... | ... |
| D | Newport Pagnell (Lovat Bank) | F. W. Taylor, Esq. | 5 | 1 8 | 250 | ... | 27·68 | 181 | 130 |
| D | Newport Pagnell (Lathbury) | F. W. Coales, Esq. | 8 | 1 2 | 200 | 23·2 | 27·06 | 180 | 132 |
| D | Olney (Colchester House) | R. E. Sowman, Esq. | 5 | 0 9 | 170 | ... | 28·14 | 186 | 138 |
| D | Turvey (Brayfield House) | Major M. E. Farrer, J.P. | 5 | 5 0 | 180 | 23·3 | 27·48 | 164 | 129 |
| | **OXFORDSHIRE. (Area, 756 sq. mi.)** | | | | | | | | |
| | **1.—SEVERN. Upper Avon. 10 sq. mi.** | | | | | | | | |
| D | Sibford Ferris (West View) | B. W. Lamb, Esq. | 5 | 1 0 | 570 | 27·3 | 31·42 | 186 | 133 |
| | **2.—THAMES. Windrush & c. 261 sq. mi.** | | | | | | | | |
| D | Kelmscott | R. Hobbs, Esq. | 6 | 0 10 | 200 | 24·8 | 27·24 | 165 | 129 |
| | Broughton Poggs | J. N. Hardcastle, Esq. | 5 | 1 0 | 275 | 26·2 | 31·36 | ... | ... |
| D | Witney (Grammar School) | A. L. Parker, Esq. | 5 | 0 11 | 275 | ... | 30·81 | 165 | 132 |
| D | Burford (Westhall Hill) | Capt.W.R.W.Kettlewell, R.N. | 5 | 1 0 | 400 | ... | 32·40 | 189 | 138 |
| D | Charlbury (Cornbury Park) | Head Gardener | 5 | 1 0 | 420 | ... | 33·81 | 165 | 138 |
| D | Chadlington (The Manor) | Paul Handy, Esq. | 5 | 1 0 | 400 | ... | 29·59 | 169 | 138 |
| D | Chadlington (Langston House) | Lt.-Col. F. W. Schofield, C.M.G. | 5 | 1 0 | 430 | 26·7 | 32·87 | 189 | 149 |
| D | Woodstock (Sandford St. Martin) (+A) | B. E. Dunbar Kilburn, Esq. | 5 | 1 0 | 500 | ... | 30·47 | 207 | 139 |
| D | Chipping Norton (Heythrop Coll.) | Procurator | 8 | 1 0 | 600 | 28·0 | 32·87 | 198 | 149 |
| D | Chipping Norton (Bungalow) | T. H. Pettipher, Esq. | 5 | 1 0 | 750 | 27·6 | 32·28 | 172 | 136 |
| | **3.—THAMES. Cherwell. 250 sq. mi.** | | | | | | | | |
| | Nuneham Park Gardens | Head Gardener | 8 | 1 1 | 289 | 25·5 | 29·50 | ... | ... |
| D | Oxford (Hincksey Pumping Station) | H. H. Crawley, Esq., C.E. | 8 | 1 0 | 187 | 24·0 | 25·97 | 185 | 133 |
| D | Oxford (Osney Lock) | Thames Conservancy | 5 | 1 6 | 186 | 24·4 | 25·11 | 176 | 129 |
| D | Oxford (Magdalen College) | F. J. Parker, Esq. | 5 | 1 0 | 186 | 23·8 | 25·58 | 189 | 131 |
| D | Oxford (64 Banbury Road) | F. J. Varley, Esq. | 5 | 1 0 | 210 | ... | 27·16 | 190 | 133 |
| D | OXFORD (Radcliffe Met. Stn.) | Reader in Climatology | 8 | 1 0 | 208 | 24·8 | 26·96 | 187 | 135 |
| D | Headington (Warneford) | Dr. M. H. McInnes | 5 | 1 0 | 300 | 23·3 | 25·90 | 158 | 133 |
| D | Oxford (Banbury Road) | P. E. Saunder, Esq. | 4 | 1 6 | 200 | ... | 29·30 | 173 | 141 |

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **OXFORDSHIRE**—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—THAMES. Cherwell**—(*contd.*). | | | | | | | | |
| D | Kidlington (Shipton Manor) ... | ... A. J. Wells, Esq. ... ... | 5 | 1 0 | 243 | ... | 32·80 | 195 | 141 |
| D | Tackley (Hampton) ... ... | ... W. Evetts, Esq. ... ... | 5 | 1 0 | 266 | ... | 29·96 | 179 | 136 |
| D | Bicester (St. John's) ... ... | ... Late Rev. H. R. Long ... | 5 | 0 10 | 240 | 25·4 | 30·83 | 186 | 147 |
| d | Middleton Park ... ... | ... A. C. J. Wall, Esq. ... | 5 | 1 0 | 326 | 25·8 | 30·63 | ... | 128 |
| D | Upper Heyford ... ... ... | ... Meteorological Office ... | 8 | 1 0 | 408 | 25·7 | 30·15 | 184 | 128 |
| D | Steeple Aston (The Grange) ... | ... Arthur E. Bradshaw, Esq. | 8 | 1 0 | 400 | 27·0 | 30·64 | 196 | 136 |
| D | West Adderbury (Cross Hill) ... | ... Lt.-Col. H. E. du C. Norris | 5 | 1 0 | 338 | 25·4 | 30·90 | 182 | 133 |
| D | West Adderbury (St. Amand's) | ... Late Rev. B. W. Bradford | 5 | 1 0 | 350 | 25·9 | 30·14 | 201 | 128 |
| d | Banbury (Cotefield) ... ... | ... Capt. C. N. Keyser... ... | 5 | 0 9 | 350 | ... | 29·06 | ... | 127 |
| D | N. Newington (Orchard House) | ... H. J. Busby, Esq. ... ... | 5 | 1 3 | 392 | ... | 30·12 | 198 | 142 |
| D | Banbury (Bloxham Road) ... | ... Dr. C. Royds Jones ... | 5 | 1 0 | 416 | 25·8 | 30·58 | 175 | 126 |
| D* | Grimsbury (Banbury W.W.) ... | ... Banbury Water Co. ... | 5 | 1 3 | 316 | ... | 28·44 | 164 | 124 |
| | **4.—THAMES. Thame & c. 210 sq. mi.** | | | | | | | | |
| D | Henley-on-Thames (Hart St.) | ... A. Edward Hobbs, Esq. ... | 5 | 1 0 | 110 | 25·8 | 32·44 | 176 | 134 |
| D | Henley-on-Thames (Greys Lane) | ... G. F. Smith, Esq. ... ... | 5 | 1 1 | 123 | 26·1 | 28·62 | 168 | 127 |
| D | Ipsden (The Vicarage) ... ... | ... Rev. P. D. Irwin ... ... | 5 | 1 0 | 225 | ... | 29·72 | 169 | 130 |
| D | Ipsden (Hailey) ... ... ... | ... Glynne Williams, Esq. ... | 5 | 1 0 | 350 | 27·0 | 29·76 | 191 | 132 |
| D | Nettlebed (Joyce Grove) No. 1 | ... Mr. F. Morby ... ... | 5 | 1 0 | 590 | 31·1 | 36·77 | 176 | 152 |
| D | Swyncombe House ... ... | ... C. W. Christie-Miller, Esq. | 5 | 1 0 | 515 | 30·2 | 34·06 | 190 | 145 |
| D | Swyncombe (Cookley House) | ... J. S. C. Bridge, Esq. ... | 5 | 1 0 | 730 | 30·7 | 35·88 | 201 | 150 |
| d | Watlington (Britwell Salome) | ... R. Roadnight, Esq.... ... | 5 | 2 0 | 400 | ... | 29·50 | 172 | 139 |
| D | Watlington (Cuxham) ... ... | ... P. J. Edwards, Esq. ... | 5 | 0 10 | 200 | ... | 26·46 | 170 | 130 |
| D | Clifton Hampden (Manor House) | ... Lord Aldenham ... ... | 5 | 1 0 | 190 | 23·7 | 26·76 | 187 | 135 |
| D | Watlington (Pyrton Manor) ... | ... Mrs. Ducat Hamersley ... | 5 | 1 0 | 325 | 26·5 | 30·10 | 178 | 136 |
| D | Wheatfield ... ... ... | ... Lt.-Col. A. V. Spencer, D.S.O. | 5 | 0 11 | 260 | 25·6 | 27·49 | 171 | 135 |
| D | Wheatley (Holton Park) ... | ... E. A. Roberts, Esq. ... | 5 | 1 0 | 280 | ... | 28·22 | 178 | 137 |
| D | Thame (Chiltern Grove) ... | ... H. Badger, Esq. ... ... | 5 | 1 0 | 220 | ... | 28·35 | 185 | 134 |
| d | Forest Hill (Battlemoor Cottage) | ... Mrs. Spencer ... ... | 5 | 0 10 | 400 | ... | 28·57 | ... | ... |
| | **NORTHAMPTONSHIRE. (Area, 1,003 sq. in.)** | | | | | | | | |
| | **1.—SEVERN. Upper Avon. 60 sq. mi.** | | | | | | | | |
| D | Rugby (Braunston Rectory) ... | ... Rev. H. E. Ruddy ... ... | 5 | 1 0 | 385 | ... | 30·26 | 189 | 129 |
| | **2.—THAMES. Cherwell. 77 sq. mi.** | | | | | | | | |
| | **3.—OUSE. 148 sq. mi.** | | | | | | | | |
| D | Hazelborough Woods ... ... | ... Forestry Commission ... | 8 | 1 0 | 441 | ... | 32·30 | 179 | 140 |
| d | Silverstone (Council School) ... | ... L. Partridge, Esq. ... ... | 5 | 1 0 | 400 | 25·8 | 29·15 | ... | ... |
| D | Wappenham (Lois Weedon Vic.) | ... Rev. E. V. Fenn ... ... | 5 | 1 2 | 400 | ... | 30·12 | 190 | 133 |
| D | Towcester (Bradden House) ... | ... Miss U. Grant-Ives... ... | 5 | 0 10 | 420 | 26·5 | 31·06 | 182 | 132 |
| D | Towcester (Easton Neston) ... | ... The Rt. Hon. Lord Hesketh | 8 | 1 0 | 325 | 26·6 | 28·62 | 188 | 134 |
| | Hargrave Hall ... ... ... | ... Sir K. Murchison ... ... | 5 | 1 0 | 273 | 23·7 | 28·98 | ... | ... |

* Reporting to Northamptonshire Natural History Society (where the return is received from the N.H.H.S. the asterisk is after the observer's name).

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | NORTHAMPTONSHIRE—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | 4.—NENE. 622 sq. mi. | | | | | | | | |
| D | Salcey Forest | Forestry Commission | 8 | 1 3 | 370 | 26·4 | 29·21 | 194 | 133 |
| D | Litchborough Rectory | Rev. W. F. Browning** | 5 | 1 0 | 485 | ... | 31·64 | 172 | 123 |
| D | Blisworth (Grand Junc. Canal) | Grand Union Canal Co. | 5 | 4 6 | 300 | 23·8 | 31·50 | 174 | 151 |
| D* | Little Houghton House | Mrs. Davidge | 5 | 1 0 | 270 | 24·3 | 29·29 | 164 | 134 |
| D | Northampton (Hardingstone Stn.) | Electric Light & Power Co. | **5 | 1 0 | 189 | ... | 25·84 | 174 | 114 |
| D | Northampton (Upton) | J. R. Foster, Esq. | 5 | 1 0 | 270 | ... | 28·44 | 164 | 132 |
| D | Northampton (General Hosp.) | Secretary-Supt.* | 5 | 1 1 | 258 | 23·5 | 29·79 | 185 | 136 |
| D* | Northampton (Mental Hosp.) | Medical Superintendent | 8 | 1 2 | 398 | 24·3 | 29·99 | 185 | 141 |
| D | Grendon (The Vicarage) | Rev. W. F. Need | 5 | 0 9 | 279 | ... | 27·73 | 177 | 134 |
| D* | Northampton (Stimpson Av.) | L. H. Brown, Esq., B.Sc., C.E. | 8 | 1 0† | 329 | ... | 26·98 | 190 | 133 |
| D* | Northampton (Mercers Row) | C. W. Boddington, Esq. | 5 | 12 0 | 250 | 23·6 | 28·48 | 200 | 140 |
| D* | Duston (Southfield Road) | W. P. Walker, Esq. | 5 | 1 0 | 342 | 25·4 | 32·31 | 195 | 148 |
| D | Wollaston | G. Harris, Esq. | 5 | 1 0 | 250 | 23·0 | 27·34 | 187 | 139 |
| D | Daventry (Tunnel End) | Grand Union Canal Co. | 5 | 1 6 | 394 | 25·5 | 27·78 | 187 | 134 |
| D* | Althorp Park | Head Gardener | 5 | 1 0 | 400 | 26·1 | 32·18 | 207 | 140 |
| D | Wellingborough (Nene Wharf) | R. Nene Catchment Bd. | 5 | 1 0 | 135 | ... | 25·60 | 177 | 130 |
| D* | Wellingborough (Swanspool) | R. Kilby, Esq. | 5 | 1 0 | 187 | 24·3 | 27·68 | 174 | 130 |
| D | Wellingborough (Sewage Works) | R. Kilby, Esq. | 5 | 1 0 | 139 | 23·2 | 24·26 | 161 | 126 |
| D§ | Wellingborough (Bushfield W.W.) | R. Kilby, Esq. | 8 | 0 11 | 286 | 23·3 | 27·73 | 190 | 135 |
| d | Wellingborough Ironworks | Stanton Ironworks Co. Ltd. | 5 | 0 7 | 184 | ... | 27·57 | ... | 129 |
| D* | Ravensthorpe | L. H. Brown, Esq., B.Sc., C.E. | 5 | 0 11 | 320 | 25·5 | 29·69 | 176 | 133 |
| d | Great Harroden (The Hall) | L. J. Farnham, Esq.** | 8 | 2 3 | 290 | ... | 29·75 | ... | 150 |
| D* | Hollowell | L. H. Brown, Esq., B.Sc., C.E. | 5 | 1 0 | 400 | ... | 28·36 | 195 | 144 |
| D | RAUNDS (Madison) | T. C. Smith, Esq. | 5 | 1 0 | 193 | ... | 27·15 | 185 | 129 |
| D | Orlingbury Pumping Station | R. Kilby, Esq. | 5 | 1 0 | 286 | ... | 29·78 | 173 | 134 |
| D | Lamport Grange | Lady Frederick** | 5 | 0 6 | 440 | 26·9 | 33·18 | 200 | 141 |
| D | Kettering W.W. (Cransley) | Borough Engineer | 8 | 1 0 | 275 | 23·7 | 29·34 | 200 | 133 |
| D* | Kettering (Sewage Works) | Borough Engineer | 8 | 1 0 | 199 | 24·2 | 28·60 | 177 | 136 |
| D | Kettering W.W. (Thorpe Malsor) | Borough Engineer | 5 | 1 0 | 351 | 24·8 | 29·69 | 196 | 120 |
| d | Harrington (Church Farm) | P. R. Jackson, Esq.** | 5 | 4 6 | 500 | ... | 30·17 | ... | 119 |
| D | Kettering W.W. (Clover Hill) | Borough Engineer | 5 | 1 0 | 344 | 24·2 | 26·83 | 181 | 119 |
| D | Thrapston (Drayton House) | Mr. C. V. Craske | 5 | 1 6 | 220 | 24·7 | 26·37 | 192 | 129 |
| D | Tichmarsh Rectory | Rev. Canon A. M. Luckock* | 5 | 1 0 | 170 | 23·9 | 27·39 | 196 | 135 |
| D | Rothwell (Shotwell Mill W.W.) | Surveyor U.D.C. | 5 | 1 5 | 325 | 23·6 | 27·49 | 175 | 128 |
| D | Desborough U.D.C. Waterworks | A. Harris, Esq., C.E. | 5 | 0 9 | 457 | 24·7 | 30·19 | 180 | 131 |
| d | Barnwell (Lilford Hall) | Lord Lilford | 8 | 1 0 | 100 | 23·8 | 25·39 | ... | ... |
| D | Oundle (Silver Birch) | Mrs. F. P. Bacon | 5 | 1 5 | 131 | 22·3 | 26·02 | 192 | 133 |
| d | Oundle (Nene Wharf) | R. Nene Catchment Bd. | 5 | 1 0 | 65 | ... | 25·01 | ... | ... |
| D | Corby | Messrs. Stewarts & Lloyds, Ltd.** | 5 | 1 0 | 365 | ... | 29·30 | 220 | 132 |
| d | Peterborough (Woodston) | British Sugar Corpn. Ltd. | 5 | 1 0 | 35 | 22·3 | 24·33 | ... | ... |
| D | Peterborough (Westbourne Ho.) | E. H. Colman, Esq. | 5 | 1 0 | 35 | 21·6 | 23·65 | 175 | 122 |
| D | Peterborough (Sewage P.S.) | (+A) F. J. Smith, Esq., C.E. | 8 | 0 10 | 9 | ... | 23·06 | 152 | 120 |
| D | PETERBOROUGH (Park Crescent) | S. M. Egar, Esq. | 5 | 1 0 | 30 | ... | 24·14 | 165 | 129 |
| D* | Peterborough (Abbeyfields) | Major J. Shipley Ellis, J.P. | 5 | 1 0 | 49 | 21·8 | 24·08 | 179 | 128 |
| d | Wittering (Bone Hill) | E. Betts, Esq. | 8 | 1 0 | 183 | 23·5 | 23·78 | ... | 121 |

* Reporting to the Northamptonshire Natural History Society (where the return is received from the N.N.H.S. the asterisk is after the observer's name).

† " Ground " is the roof of a reservoir 18 ft. above the general level.

** *Per* R. Nene Catchment Board. § Turf wall round gauge.

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NORTHAMPTONSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—WELLAND. 96 sq. mi.** | | | | | | | | |
| d | Gretton (Hillside) | W. Leeson, Esq. | 5 | 1 0 | 275 | ... | 27·92 | ... | ... |
| d | Easton-on-the-Hill | W. H. Tillson, Esq. | 5 | 0 7 | 290 | 23·5 | 30·95 | ... | 109 |
| D | Market Deeping (Etton) | F. J. Smith, Esq., C.E. | 8 | 1 0 | 25 | 21·8 | 22·33 | 152 | 121 |
| | **HUNTINGDONSHIRE. (Area, 366 sq. mi.)** | | | | | | | | |
| | **1.—OUSE. 327 sq. mi.** | | | | | | | | |
| D | St. Neots (The Square) | Miss L. Sibley | 5 | 0 10 | 50 | 21·9 | 25·01 | 182 | 132 |
| D | Brampton School | W. T. Carter, Esq. | 5 | 1 3 | 30 | 22·3 | 27·51 | 177 | 145 |
| D | Hemingford Grey | F. W. Norris, Esq. | 5 | 2 0 | 20 | 21·9 | 26·48 | 180 | 129 |
| D | St. Ives (Tenterleas)† | Dr. W. R. Grove | 5 | 1 0 | 25 | 22·6 | 27·02 | 186 | 136 |
| D | Huntingdon (Hinchingbrooke) | W. Prowting, Esq. | 5 | 2 0 | 70 | 22·4 | 25·51 | 192 | 140 |
| D | Bluntisham Rectory | Rev. R. F. McNeile | 5 | 1 0 | 50 | ... | 27·08 | 174 | 134 |
| d | Connington Castle Gardens | G. McLeod, Esq., C.E. | 5 | 1 6 | 15 | ... | 29·39 | ... | 126 |
| D | Benwick (Four Hundred Farm) | G. McLeod, Esq., C.E. | 5 | 1 0 | 0 | ... | 23·40 | 202 | 123 |
| D | Whittlesea Mere | G. McLeod, Esq., C.E. | 8 | 1 6 | 10 | 21·4 | 25·77 | 182 | 127 |
| | **2.—NENE. 39 sq. mi.** | | | | | | | | |
| | **BEDFORDSHIRE. (Area, 467 sq. mi.)** | | | | | | | | |
| | **1.—THAMES. Colne. 20 sq. mi.** | | | | | | | | |
| D | Studham Hall | A. S. Butler, Esq. | 5 | 1 0 | 636 | ... | 34·06 | 205 | 166 |
| D | WHIPSNADE (Park) | Zoological Society | 5 | 1 0 | 720 | 28·7 | 33·41 | 193 | 149 |
| | **2.—THAMES. Lea. 32 sq. mi.** | | | | | | | | |
| D | Luton (Pumping Station) | Borough Engineer | 5 | 1 0 | 338 | 25·8 | 29·29 | 186 | 129 |
| D | Dunstable (Water Works) | Dunstable Gas & Water Co. | 5 | 1 0 | 520 | ... | 30·31 | 178 | 139 |
| D | Dunstable (Cemetery) | G. Ashton, Esq., C.E. | 8 | 1 3 | 515 | ... | 27·99 | 184 | 142 |
| D | Dunstable (Cement Works) | Works Manager | 8 | 1 0 | 430 | ... | 28·80 | 187 | 131 |
| D | LUTON (Wardown Park) | Borough Engineer | 5 | 1 0 | 381 | ... | 28·67 | 165 | 128 |
| D | Luton (Hyde House) | Rev. W. F. Hicks, M.A. | 5 | 1 6 | 400 | 25·5 | 28·84 | 191 | 136 |
| | **3.—OUSE. 408 sq. mi.** | | | | | | | | |
| D | DUNSTABLE | Meteorological Office | 5 | 1 0 | 516 | ... | 28·80 | 174 | 132 |
| D | Leighton Buzzard (Heath Rd.) | Gt. Ouse Catchment Bd. | 5 | 1 0 | 250 | ... | 29·82 | 211 | 142 |
| d | Battlesden P.S. | Bucks. Water Board | 8 | 1 0 | 358 | ... | 30·19 | ... | 124 |
| D | Meppershall (High Street) | Mrs. G. Rainbow | 5 | 1 0 | 250 | 22·9 | 25·33 | 158 | 134 |
| D | Hockliffe (Lyndhurst) | C. J. Kilby, Esq. | 5 | 1 0 | 241 | 25·0 | 29·98 | 161 | 126 |
| D | WOBURN (Experimental Farm) | Lawes Agricultural Trust | 8 | 1 0 | 291 | 23·9 | 28·24 | 178 | 132 |
| D | Letchworth (New Sewage Works) | Surveyor, U.D.C. | 5 | 1 0 | 209 | 22·3 | 22·42 | 167 | 123 |
| | Stotfold (Three Co. Mental Hosp.) | Dr. McDiarmid | 5 | 1 0 | 220 | 22·6 | 22·68 | ... | ... |
| d | Silsoe (The Red House) | H. I. Godfrey, Esq. | 5 | 1 0 | 212 | 22·2 | 24·70 | ... | 123 |
| D | Arlesey Sewage Works | Gt. Ouse Catchment Bd. | 5 | 1 2 | 133 | 22·4 | 24·52 | 166 | 125 |
| D | Stotfold Sewage Works | H. W. Pridmore, Esq. | 5 | 1 0 | 130 | ... | 26·06 | 154 | 120 |
| D | Shefford (Clifton) | W. Inskip, Esq. | 5 | 1 0 | 137 | 22·5 | 26·42 | 195 | 135 |
| | Shefford (Clifton Bury) | C. H. Inskip, Esq. | 5 | 1 6 | 90 | 22·2 | 24·83 | ... | ... |
| D | Biggleswade (New Spring P.S.) | T. A. Staniforth, Esq. | 5 | 1 6 | 180 | 21·6 | 24·81 | 172 | 125 |

† Station formerly called St. Ives (Slepe House).

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **BEDFORDSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—OUSE—(*contd.*).** | | | | | | | | |
| D | CRANFIELD | Meteorological Office | 5 | 1 0 | 340 | ... | 24·70 | 177 | 132 |
| | Kempston | Mr. C. S. Payne | 6 | 2 0 | 125 | ... | 25·51 | 169 | 134 |
| d | Potton Sewage Works | H. W. Pridmore, Esq. | 5 | 1 0 | 116 | 21·7 | 25·95 | ... | 123 |
| D | Sandy (Mogerhanger Park) | Dr. C. G. Welch | 5 | 1 0 | 152 | 23·1 | 25·81 | 162 | 138 |
| D | Sandy (Sewage Works) | Sandy U.D.C. | 5 | 1 0 | 72 | ... | 23·08 | 173 | 124 |
| D | Bedford (Castle Road) | Miss M. E. Newbery | 5 | 4 6 | 100 | 22·3 | 26·14 | 175 | 136 |
| D | Biddenham (St. Benedicts) | E. H. Barlow, Esq. | 5 | 1 2 | 120 | ... | 25·32 | 146 | 125 |
| D | Bedford (Bedford Park) | (+A) Borough Engineer | 8 | 1 3 | 117 | ... | 25·50 | 180 | 135 |
| D | Goldington (Castle Mill House) | G. A. Rogers, Esq. | 5 | 1 6 | 75 | 21·9 | 24·25 | 151 | 131 |
| D | Bromham (Park House) | Mrs. Hulse | 5 | 1 0 | 170 | ... | 27·55 | 159 | 139 |
| D | Turvey Rectory | Rev. C. A. B. Allen | 5 | 1 0 | 160 | ... | 26·60 | 184 | 134 |
| D | Great Barford House | J. Arnold Whitchurch, Esq. | 5 | 1 6 | 120 | 22·1 | 25·26 | 178 | 139 |
| d | Pavenham | C. D. Linnell, Esq. | 5 | 0 11 | 200 | 22·4 | 25·70 | ... | 128 |
| D | Carlton (Stayesmore Manor) | Col. G. A. Battcock | 5 | 1 0 | 168 | ... | 28·22 | 176 | 134 |
| | **4.—NENE. 7 sq. mi.** | | | | | | | | |
| | **CAMBRIDGESHIRE. (Area, 863 sq. mi.)** | | | | | | | | |
| | **1.—STOUR. 17 sq. mi.** | | | | | | | | |
| | **2.—OUSE. 741 sq. mi.** | | | | | | | | |
| D | Ashwell (Odsey) | W. Herbert Fordham, Esq. | 5 | 2 0 | 256 | 23·0 | 24·61 | 192 | 127 |
| | Litlington Vicarage | Rev. M. de Courcy-Ireland | 5 | 1 0 | 98 | ... | 26·76 | 148 | 121 |
| | Abington Pigotts Hall | Rev. M. de Courcy-Ireland | 5 | 1 0 | 75 | 21·8 | 28·61 | 159 | 131 |
| D | Melbourne (The County School) | W. Ogden, Esq. | 5 | 1 4 | 85 | ... | 26·32 | 169 | 125 |
| D | Meldreth (Chiswick Farm) | late A. A. Howard, Esq. | 5 | 1 1 | 70 | 22·4 | 26·89 | 200 | 150 |
| D | Horseheath (Rose Farm) | B. Tabram, Esq. | 5 | 1 0 | 320 | ... | 30·51 | 196 | 135 |
| D | Hildersham (Old Mill House) | Lt.-Col. O. B. Foster | 5 | 0 11 | 108 | ... | 23·56 | 190 | 129 |
| D | Grantchester (Lyndewode) | J. Nutter, Esq. | 5 | 1 0 | 31 | 22·6 | 22·65 | 160 | 123 |
| D | Fulbourn (Fleam Dyke) | Cambridge W.W. Co. | 5 | 1 0 | 99 | 23·0 | 25·02 | 197 | 129 |
| d | Fulbourn (Cambridge Mental Hosp.) | Head Gardener | 5 | 0 6 | 72 | ... | 25·43 | ... | 135 |
| D | Cambridge (Barrow Road) | N. T. Myers, Esq. | 8 | 0 9 | 47 | 23·8 | 24·50 | 177 | 127 |
| D | Cambridge (33 Barrow Road) | Rev. H. C. Newbery | 5 | 1 6 | 45 | ... | (23·78) | 177 | 124 |
| d | Cambridge (Corporation Store Yd.) | Borough Engineer | 5 | 1 8 | 52 | 21·2 | 23·42 | 187 | 130 |
| D | CAMBRIDGE (BOTANIC GARDENS) | Curator | 5 | 1 1 | 41 | 21·8 | 23·33 | 173 | 126 |
| d | Cambridge (Trumpington Rd.) | Canon H. J. E. Burrell | 5 | 1 6 | 25 | ... | 23·05 | ... | ... |
| D | Cambridge (Corporation P.S.) | Borough Engineer | 5 | 1 0 | 42 | 22·1 | 21·98 | 183 | 119 |
| D | Cambridge (Coldhams Lane) | Gt. Ouse Catchment Bd. | 5 | 1 3 | 30 | ... | 23·59 | 181 | 125 |
| D | Cambridge (Oxford Road) | J. Doggett, Esq. | 5 | 1 0 | 62 | ... | 26·31 | 192 | 135 |
| d | Dullingham (Stetchworth Park) | Mr. H. Fern | 5 | 1 0 | 270 | ... | 25·98 | ... | ... |
| D | Quy Hall | Lt.-Col. J. C. W. Francis | 5 | 0 9 | 23 | 22·6 | (27·55) | 176 | 146 |
| D | Boxworth (Manor House) | Lt.-Col. E. B. Thornhill, M.C. | 5 | 1 0 | 76 | 23·4 | 29·58 | 208 | 154 |
| d | Oakington | A. H. V. Bloom, Esq. | 5 | 1 3 | 27 | ... | 27·71 | ... | ... |
| D | Waterbeach (Bottisham Lock) | Gt. Ouse Catchment Bd. | 5 | 1 7 | 10 | ... | 24·49 | 173 | 128 |
| D | Cottenham (Bernard House) | Miss K. Bull | 5 | 1 6 | 30 | 22·1 | 27·23 | 195 | 131 |
| D | Fordham (London House) | W. V. Bloom, Esq. | 5 | 1 0 | 30 | 21·4 | 22·41 | 163 | 122 |
| d | Bluntisham (Brownshill Staunch) | Gt. Ouse Catchment Bd. | 5 | 1 0 | 10 | ... | 25·01 | ... | 129 |
| D | Stretham Engine | C. O. Clarke, Esq. | 5 | 1 0 | 13 | 21·2 | 25·40 | 177 | 123 |
| D | Ely (Palace Gardens) | Head Gardener | 5 | 1 0 | 60 | ... | 23·14 | 188 | 131 |
| D | Ely (Roswell Pits) | Gt. Ouse Catchment Bd. | 5 | 2 0 | 114 | ... | 23·21 | 168 | 130 |
| D | Ely (Prickwillow) | Supt. Middle Fen Comm. | ... | ... ... | 10 | ... | 25·22 | 166 | 137 |
| D | Littleport (Highfield House) | H. G. Martin, Esq. | 8 | 4 0 | 67 | 21·3 | 21·36 | 162 | 127 |

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **CAMBRIDGESHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **2.—OUSE—(*contd.*).** | | | | | | | | |
| D | Chatteris (Cemetery) | G. McLeod, Esq., C.E. | 5 | 1 0 | 25 | ... | 24·80 | 171 | 123 |
| d | Chatteris (Puddock Bridge) | G. McLeod, Esq., C.E. | 5 | 1 0 | 25 | ... | 21·18 | ... | 119 |
| d | Whittlesey (Ashline Sluice) | G. McLeod, Esq., C.E. | 5 | 1 0 | 15 | ... | 25·91 | ... | 121 |
| d | March | G. McLeod, Esq., C.E. | 9 | 2 0 | 10 | 22·8 | 25·32 | ... | 122 |
| D | Upwell (Marmont Priory Lock) | G. McLeod, Esq., C.E. | 8 | 1 1 | 10 | 20·6 | 21·97 | 183 | 117 |
| | **3.—NENE. 105 sq. mi.** | | | | | | | | |
| D | Standground Sluice | G. McLeod, Esq., C.E. | 8 | 1 6 | 15 | 21·7 | 26·06 | 175 | 125 |
| D | Thorney Toll (Elm Tree Farm) | Mrs. Snushall | 5 | 2 6 | 6 | ... | 23·66 | 129 | 113 |
| d | Thorney (Bleak House) | C. Hurry, Esq. | 5 | 1 0 | 4 | ... | 22·05 | ... | ... |
| d | Thorney (Nutsgrove Farm) | T. R. Pick, Esq. | 5 | 0 5 | 12 | ... | 22·39 | ... | ... |
| D | Parson Drove (Clows Cross) | J. C. Purser, Esq. | 8 | 1 0 | 6 | 22·1 | 23·76 | 144 | 116 |
| D | Wisbech (Queens Road) | C. Dann, Esq. | 5 | 1 6 | 10 | 23·0 | 23·51 | 166 | 123 |
| D | Wisbech (Tydd Manor) | A. H. Carter, Esq. | 5 | 6 6 | 9 | ... | 25·43 | 141 | 113 |

## DIVISION IV—EASTERN COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **ESSEX. (Area, 1,532 sq. mi.)** | | | | | | | | |
| | **1.—THAMES. Lea. 132 sq. mi.** | | | | | | | | |
| D | West Ham (Abbey Mills) | London County Council | 8 | 0 8 | 15 | 22·3 | 27·71 | 169 | 138 |
| D | Lea Bridge (Waterworks) | Met. Water Board | 5 | 1 0 | 23 | *22·0* | 26·74 | 161 | 132 |
| D | Walthamstow (Ferry Lane) | Met. Water Board | 5 | 1 0 | 30 | 22·6 | 27·56 | 160 | 126 |
| D* | Woodford (Haggar Lane) | Met. Water Board | 8 | 1 0 | 176 | 23·0 | 29·56 | 163 | 144 |
| D* | Buckhurst Hill Reservoir | Met. Water Board | 5 | 1 0 | 275 | *23·9* | 30·87 | 169 | 141 |
| D | Chingford (Beresford Road) | H. Hawkins, Esq. | 5 | 0 10 | 150 | ... | 29·45 | 177 | 141 |
| D | Chingford (Crescent Road) | Miss M. L. Mathieson | 5 | 1 0 | 200 | *23·3* | 29·23 | 173 | 133 |
| D | Chingford Mill | Met. Water Board | 5 | 1 0 | 40 | *23·0* | 26·70 | 170 | 132 |
| D | Loughton (High Beech Res.) | Met. Water Board | 8 | 1 0 | 376 | *25·1* | 32·32 | 173 | 144 |
| D | Waltham Abbey (Rammey Marsh) | Met. Water Board | 5 | 1 0 | 60 | *23·4* | 29·45 | 176 | 134 |
| D | Waltham Abbey (Pumping Stn.) | Met. Water Board | 5 | 1 8 | 62 | 23·3 | 29·62 | 176 | 141 |
| d | Waltham Abbey (Gunpr. Fact.) | Superintendent | 5 | 1 0 | 64 | ... | 30·59 | 165 | 128 |
| D | Harlow (Hill House) | Capt. T. M. Illingworth | 5 | 1 0 | 175 | ... | 29·82 | 197 | 135 |
| D | Spellbrook Lock | Lee Conservancy Catchm. Bd. | 5 | 0 9 | 172 | ... | 27·89 | 164 | 134 |
| D | Hatfield Broad Oak (Barrington) | A. H. Gosling, Esq. | 5 | 0 10 | 300 | 24·3 | 28·57 | 180 | 141 |
| | Stansted (Hassobury) | Major W. S. Gosling | 5 | 0 10 | 290 | *25·0* | 28·06 | ... | ... |
| | Stansted (Bentfield Place) | Major W. S. Gosling | 5 | 0 9 | 300 | *24·6* | 28·78 | ... | ... |
| D | **2.—THAMES. Roding & c. 316 sq. mi.** | | | | | | | | |
| D | Grays (Sewage Works) | Manager | 8 | 2 6 | 9 | *20·3* | 23·55 | 162 | 118 |
| d | Tilbury (Beaconsfield Rd.) | G. F. Andrassy, Esq., C.E. | 5 | 1 0 | 6 | *20·2* | 25·51 | ... | ... |
| D | Purfleet | Thames Board Mills, Ltd. | 8 | 1 0 | 4 | ... | 22·77 | 175 | 125 |
| D | Rainham (Riverside Sewage Wks.) | Dagenham U.D.C. | 5 | 1 6 | 0 | 19·3 | 21·80 | 172 | 119 |
| D | Orsett Hall | Col. F. H. D. C. Whitmore, C.B. | 8 | 1 6 | 64 | ... | 22·78 | 162 | 126 |
| D | Barking | Engineer and Surveyor | 5 | 1 0 | 5 | ... | 24·52 | 160 | 123 |
| D | East Ham (Central Park) | Corporation | 8 | 1 0 | 15 | 22·3 | 25·88 | 167 | 123 |
| D | East Ham Well | Met. Water Board | 5 | 1 0 | 17 | 21·6 | 24·94 | 162 | 120 |
| D | Canvey Island | Engineer & Surveyor | 5 | 1 0 | 9 | ... | 24·80 | 184 | 124 |
| D | Ilford (Loxford Park) | L. E. J. Reynolds, Esq., C.E. | 5 | 1 0 | 30 | ... | 26·64 | 167 | 128 |

* Turf wall round gauge.

## DIVISION IV—EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | ESSEX—(*contd.*). | | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **2.—THAMES. Roding & c.—(*contd.*).** | | | | | | | | | |
| D | Ilford (Goodmayes Park) | | L. E. J. Reynolds, Esq., C.E. | 5 | 1 0 | 38 | ... | 25·67 | 170 | 123 |
| D | Ilford (Valentines Park) | (+A) | L. E. J. Reynolds, Esq., C.E. | 5 | 1 0 | 43 | ... | 25·73 | 173 | 126 |
| D | Ilford (Clayhall Park) | | L. E. J. Reynolds, Esq., C.E. | 5 | 1 0 | 109 | ... | 27·35 | 165 | 133 |
| D | Ilford (Hainault Rec. Ground) | | L. E. J. Reynolds, Esq., C.E. | 5 | 1 0 | 105 | ... | 29·03 | 178 | 139 |
| D | SOUTHEND (The Cliffs) | | The Piermaster | 5 | 0 8 | 90 | ... | 24·80 | 170 | 130 |
| D | Southend (Waterworks) | | Southend Waterworks Co. | 8 | 1 0 | 112 | 20·3 | 25·48 | 175 | 126 |
| | South Benfleet (Hillside Road) | | H. A. Marshall, Esq. | 5 | 1 0 | 55 | *21·2* | 26·25 | 173 | 129 |
| D | Vange Pumping Station | | Southend Waterworks Co. | 5 | 1 0 | 43 | ... | 24·06 | 175 | 124 |
| d | Manor Park (City of L'dn Cemy.) | | Superintendent | 5 | 0 6 | 50 | 22·4 | 26·16 | ... | 122 |
| d | Pitsea Pumping Station | | Southend Waterworks Co. | 5 | 1 0 | 28 | *20·6* | 26·03 | 166 | 128 |
| D | Horndon (Eastern Sewage Works) | | Hornchurch U.D.C. | 8 | 1 3 | 23 | *20·5* | 20·96 | 161 | 119 |
| D | Hornchurch | | Hornchurch U.D.C. | 8 | 1 0 | 44 | *21·0* | 23·00 | 181 | 127 |
| D | Wanstead (Red Bridge) | | Met. Water Board | 5 | 1 0 | 25 | 22·8 | 25·67 | 174 | 131 |
| D | Romford (Raphael Park) | | Engineer & Surveyor | 5 | 1 0 | 100 | ... | 23·83 | 177 | 126 |
| D | Havering-atte-Bower (Fernside) | | E. W. Smith, Esq. | 5 | 1 0 | 340 | *25·8* | 28·06 | 188 | 153 |
| D | Brentwood (Senior School) | | Headmaster | 5 | 1 0 | 396 | ... | 23·95 | 188 | 128 |
| d | Brentwood (Coxtie Green) | | G. W. Gardner, Esq. | 8 | ... ... | ... | ... | 25·90 | ... | 121 |
| D | Loughton (The Summit) | | Mrs. Stoker | 5 | 0 9 | 314 | ... | 31·54 | 195 | 149 |
| D | Theydon Bois (Thrifts Hill) | | H. Kemsley, Esq. | 5 | 1 0 | 274 | *23·6* | 27·41 | 158 | 133 |
| d | Theydon Bois (Birch Hall) | | Lt.-Col. E. N. Buxton | 5 | 0 11 | 300 | *23·8* | 27·42 | ... | ... |
| D | Epping (Bower Hill) | | F. C. Pasmore, Esq. | 5 | 1 3 | 210 | ... | 30·46 | 154 | 133 |
| D | North Weald (Canes) | | G. Hart, Esq. | 5 | 1 0 | 250 | *24·2* | 30·57 | 179 | 140 |
| d | Great Cranfield | | G. Eland, Esq. | 5 | 1 0 | 300 | ... | 26·67 | ... | 119 |
| | **3.—CROUCH. 186 sq. mi.** | | | | | | | | | |
| | Southend (Southchurch Boulv'd) | | H. J. G. Ralph, Esq. | 8 | 1 0 | 66 | *21·0* | (24·83) | ... | ... |
| D | SHOEBURYNESS | | Meteorological Office | 5 | 1 0 | 11 | 19·8 | 24·74 | 163 | 114 |
| d | Southchurch (Barling Road) | | C. E. Smith, Esq. | 5 | 1 6 | 25 | ... | 26·06 | ... | ... |
| D | Leigh-on-Sea | | H. Mousley, Esq. | 5 | 2 0 | 100 | ... | 25·78 | 187 | 135 |
| D | Leigh (Brick House) | | Miss I. Bentall | 5 | 0 10 | 136 | ... | 25·62 | 168 | 135 |
| D | Eastwood Pumping Station | | Southend Waterworks Co. | 8 | 1 0 | 50 | *21·0* | 28·15 | 194 | 137 |
| D | Thundersley Reservoir | | Southend Waterworks Co. | 5 | 1 0 | 277 | *21·3* | 27·04 | 174 | 129 |
| D | Foulness Is. (Small Grains F.) | | D. B. Smith, Esq. | 5 | 0 6 | 0 | ... | 23·71 | 152 | 127 |
| D | Rayleigh (The Chestnuts) | | late W. G. Chant, Esq. | 5 | 1 0 | 142 | ... | 28·81 | 160 | 133 |
| D | Billericay (Service Tank) | | Southend Waterworks Co. | 5 | 1 0 | 310 | ... | 24·11 | 172 | 128 |
| d | Billericay (Ramsden Hall) | | T. W. Bacon, Esq. | 5 | 0 9 | 260 | *23·8* | 24·22 | ... | 132 |
| d | Southminster (The New Moor) | | Miss M. A. Attenborough | 5 | 1 6 | 72 | ... | 25·90 | ... | 134 |
| | **4.—BLACKWATER. 425 sq. mi.** | | | | | | | | | |
| D | Hutton (Greenway) | | H. C. Mills, Esq., F.C.I.S. | 5 | 1 6 | 325 | ... | 25·31 | 196 | 136 |
| D | Ingatestone (Trueloves) | | Head Gardener | 5 | 1 0 | 249 | *23·1* | 25·21 | 178 | 128 |
| D | Chelmsford (Longstomps Res.) | | Water Engineer | 5 | 1 0 | 230 | ... | 24·27 | 185 | 126 |
| D | Bradwell-on-Sea (Bellropes) | | H. D. Chillingworth, Esq. | 5 | 1 6 | 75 | 20·5 | 24·41 | 151 | 113 |
| D | WRITTLE (Inst. of Agric.) | | Executive Officer (E.W.A.E.C.) | 5 | 1 0 | 110 | ... | 23·68 | 163 | 131 |
| D | MALDON | | Town Clerk | 5 | 1 0 | 14 | *20·0* | 21·75 | 170 | 119 |
| D | Chelmsford (Essex Rivers Ho.) | | Essex Rivers Catchm. Bd. | 8 | 1 4 | 90 | ... | 22·30 | 167 | 124 |
| D | Hatfield Peverel (Rushes Lock) | | Southend Waterworks Co. | 8 | 1 6 | 40 | ... | 23·72 | 191 | 127 |
| D | Langford (Treatment Plant) | | Southend Waterworks Co. | 8 | 1 5 | 40 | *21·8* | 22·16 | 168 | 116 |
| d | Witham (Wickham Hall) | | D. B. Smith, Esq. | 5 | 0 10 | 60 | *20·8* | 22·75 | ... | 105 |
| D | Hatfield Peverel (Lower Farm) | | H. J. Russell, Esq. | 5 | 1 0 | 101 | ... | 23·79 | 146 | 115 |
| D | Tolleshunt D'Arcy (D'Arcy Hall) | | C. Weston Eve, Esq. | 5 | 1 0 | 85 | ... | 22·95 | 159 | 126 |
| d | Wickham Bishops | | Mrs. Fowler | 5 | 1 4 | 250 | *21·4* | 21·97 | ... | ... |
| D | Tolleshunt D'Arcy (Oxley Hill) | | H. Campkin, Esq. | 5 | 1 0 | 100 | *22·0* | 24·53 | 190 | 136 |

## DIVISION IV—EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ESSEX—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—BLACKWATER—(*contd.*).** | | | | | | | | |
| D | Witham (Faulkbourne Hall) | Mrs. C. W. Parker | 5 | 1 0 | 100 | *21·9* | 23·43 | 144 | 119 |
| D | Little Leighs (Kelle) | W. C. Neild, Esq. | 5 | 1 2 | 192 | *22·3* | 24·69 | 147 | 120 |
| d | Kelvedon (Harboro Hall) | A. Bevington Smith, Esq. | 5 | 1 0 | 200 | ... | 25·88 | ... | ... |
| D | Kelvedon (Messing Street) | Mrs. Calver | 5 | 2 1 | 120 | ... | 25·41 | 141 | 120 |
| | Rivenhall (Park Gate Farm) | Joseph Smith (Farms) Ltd. | 5 | 1 0 | 149 | ... | 22·93 | ... | ... |
| D | Felsted School | E. H. Lockwood, Esq. | 5 | 1 0 | 248 | *22·9* | 25·31 | 185 | 130 |
| D | Little Dunmow (Throws) | Mrs. D. C. Hasler | 5 | 0 9 | 276 | ... | 26·01 | 180 | 132 |
| d | Great Dunmow | Messrs. Hasler & Co. Ltd. | 5 | 1 0 | 241 | *22·9* | 25·34 | 165 | 121 |
| D | Rayne (Staneway) | Mrs. Burt | 5 | 5 0 | 247 | *23·0* | 24·74 | 166 | 96 |
| d | Braintree (Coggeshall Road) | A. F. Gunn, Esq. | 5 | 1 0 | 222 | ... | 25·89 | ... | ... |
| | Great Bardfield (South Lodge) | G. H. Brunwin, Esq. | 5 | 1 0 | 250 | *23·2* | 26·65 | ... | ... |
| | **5.—COLNE & c. 283 sq. mi.** | | | | | | | | |
| d | St. Osyth (Wigborough Wick) | P. B. Smith, Esq. | 5 | 1 6 | 10 | *19·3* | 23·00 | ... | ... |
| D | Clacton-on-Sea (King's Road) | W. Tomlin, Esq. | 5 | 1 0 | 45 | ... | 23·27 | 147 | 116 |
| d | Great Clacton (Clay Hall) | Miss E. A. Smith | 5 | 1 0 | 45 | *20·4* | 22·57 | ... | 106 |
| D | Tiptree W.W. | S. Essex Waterworks Co. | 5 | 1 0 | 239 | ... | 24·83 | 168 | 124 |
| D | Little Holland (The Sluice House) | Essex Rivers Catchm. Bd. | 5 | 1 0 | 7 | ... | 25·08 | 165 | 117 |
| D | Colchester (Layer-de-la-Haye) | S. Essex Waterworks Co. | 5 | 1 0 | 145 | ... | 21·82 | 167 | 119 |
| D | Colchester (Hythe Gas Works) | Colchester Gas Co. | 8 | 1 1 | 0 | *22·0* | 25·29 | 158 | 119 |
| D | Colchester (Castle Park) | H. Collins, Esq., C.E. | 8 | 1 2 | 87 | ... | 23·66 | 166 | 112 |
| D | Colchester (Waterworks) (+A) | H. Collins, Esq., C.E. | 8 | 1 0 | 38 | ... | 25·07 | 170 | 118 |
| d | Lexden (Cherrywood) | P. W. Partridge, Esq. | 5 | 1 0 | 120 | ... | 24·89 | ... | 119 |
| D | Lexden (Hill House S. No. 2) | S. F. Hurnard, Esq. | 5 | 1 0 | 90 | ... | 24·23 | 166 | 120 |
| D | EARLS COLNE (Grammar School) | Headmaster | 5 | 1 0 | 160 | ... | 27·55 | 171 | 129 |
| D | Halstead (Attwoods) | R. E. Vaizey, Esq. | 5 | 1 6 | 200 | *23·6* | 29·76 | 198 | 135 |
| D | HALSTEAD (The Brewery) | F. N. Adams, Esq. | 5 | 1 0 | 140 | 23·0 | 27·72 | 170 | 129 |
| D | Sible Hedingham (Hovis Mill F.) | A. A. Geater, Esq. | 5 | 1 3 | 115 | ... | 29·18 | 187 | 142 |
| D | Great Yeldham (Craigs) | V. G. Walker-Cooke, Esq. | 5 | 1 3 | 317 | ... | 26·00 | 190 | 126 |
| D | Great Yeldham Hall | G. A. Goodchild, Esq. | 5 | 1 6 | 200 | 23·1 | 27·65 | 179 | 136 |
| | **6.—STOUR. 110 sq. mi.** | | | | | | | | |
| D | DOVERCOURT | Borough Surveyor, Harwich | 5 | 1 0 | 47 | 21·1 | 25·83 | 156 | 126 |
| D | Mistley (The Maltings) | Messrs. Brooks (Mistley), Ltd. | 8 | 1 0 | 25 | 22·2 | 23·97 | 148 | 112 |
| d | Nayland (Boxted) | Messrs. Carter & Blewitt, Ltd. | 5 | 1 0 | 154 | ... | 26·18 | 167 | 123 |
| D | Langham Waterworks | S. Essex Waterworks Co. | 5 | 1 0 | 44 | *22·0* | 25·52 | 175 | 115 |
| | **7.—OUSE. 80 sq. mi.** | | | | | | | | |
| D | Quendon (Rickling) | Messrs Tinney & Hitchcock | 5 | 1 0 | 325 | ... | 27·84 | 158 | 129 |
| d | Saffron Walden (Debden Road) | A. Marsh, Esq. | 5 | 1 0 | 305 | ... | 26·70 | 183 | 130 |
| D | Saffron Walden (Bridge End) | R. A. Strong, Esq. | 5 | 2 0 | 200 | ... | 25·43 | 185 | 131 |
| D | Saffron Walden (Ashdon Coun. Sch.) | Headmaster | 5 | 1 0 | 211 | ... | 26·69 | 186 | 128 |
| | **SUFFOLK. (Area, 1,489 sq. mi.)** | | | | | | | | |
| | **1.—STOUR. 271 sq. mi.** | | | | | | | | |
| d | East Bergholt (Ackworth Ho.) | A. Harwood, Esq. | 8 | 1 0 | 145 | ... | 24·86 | 167 | 123 |
| D | Sudbury (Edwardstone) | R. Stour (Essex & Suff.) C.Bd. | 5 | 1 0 | 185 | ... | 27·69 | 163 | 137 |
| D | Hadleigh (Penlands) | E. A. Lee, Esq. | 5 | 1 0 | 185 | 24·4 | 30·95 | 192 | 131 |
| D | Haverhill Waterworks | J. H. Clarke, Esq. | 8 | 0 9 | 280 | ... | 29·37 | 152 | 127 |

## DIVISION IV—EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SUFFOLK**— *contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—STOUR**—(*contd.*). | | | | | | | | |
| D | Long Melford (Westgate Ho.) | ... K. F. Colvile, Esq. ... | 5 | 1 0 | 146 | 23·5 | 30·11 | 185 | 132 |
| d | Long Melford (Stafford Works) | ... R. Stour (Essex & Suff.) C.Bd. | 5 | 3 0 | 103 | ... | 28·83 | ... | ... |
| d | Clare (Little Wratting) ... | ... R. Stour (Essex & Suff.) C.Bd. | 5 | 0 9 | 296 | ... | 24·62 | ... | ... |
| D | Alpheton ... ... ... | ... R. Stour (Essex & Suff.) C.Bd. | 5 | 1 1 | 273 | ... | 30·67 | 177 | 137 |
| | **2.—ORWELL. 166 sq. mi.** | | | | | | | | |
| D | Trimley (The Avenue) ... ... | ... R. L. T. Clarkson, Esq. ... | 5 | 1 0 | 72 | ... | 28·88 | 194 | 124 |
| D | IPSWICH (BELSTEAD HALL) ... | (+A) Richard Wilson, Esq. ... | 5 | 1 0 | 123 | ... | 27·44 | 174 | 124 |
| d | Ipswich (Upton Lodge) ... | ... E. Suffolk Riv. Catch. Bd.... | 5 | 1 0 | 77 | ... | 27·52 | 189 | 122 |
| D | ‖Ipswich (Museum) ... ... | ... F. M. Cullum, Esq. ... | 5 | 1 2 | 72 | *23·5* | 25·78 | 181 | 126 |
| D | Elmsett (Laurel Cottage) ... | ... Miss C. E. Ladbrook ... | 5 | 3 0 | 310 | *23·8* | 24·89 | 167 | 111 |
| D | Coddenham (Cousins Hill) ... | ... Miss Tidswell ... ... | 5 | 0 4 | 160 | ... | 31·24 | 183 | 146 |
| | **3.—DEBEN & C. 466 sq. mi.** | | | | | | | | |
| d | Hollesley P.S. ... ... ... | ... E. Suffolk Riv. Catch. Bd. | 5 | 1 0 | 11 | ... | 29·02 | ... | ... |
| D | Waldringfield ... ... ... | ... Mrs. B. R. M. Glossop ... | 5 | 1 0 | 70 | *23·8* | 26·86 | 179 | 129 |
| d | Ipswich (Daleacre) ... ... | ... C. Harrison-Jones, Esq. ... | 5 | 1 2 | 140 | ... | 28·69 | 199 | 126 |
| d | Woodbridge (Little Bealings) ... | ... Capt. Guy Lemprière ... | 5 | ... ... | 50 | ... | 29·65 | ... | 119 |
| D | Great Bealings (The Croft) ... | ... Admiral E. F. Bruen, C.B. | 5 | 0 7 | 50 | ... | 31·42 | 187 | 133 |
| D | Melton (Greylands) ... ... | ... Miss Jervis-White-Jervis ... | 5 | 1 6 | 50 | *24·3* | 27·56 | 151 | 125 |
| D | Melton (St. Audry's Hospital) | ... Clerk and Steward ... ... | 8 | 1 0 | 90 | *23·8* | 26·39 | 165 | 118 |
| D | Grundisburgh (Bridge Ho.) ... | ... Mrs. Armstrong ... ... | 5 | 1 1 | 50 | ... | 29·15 | 172 | 126 |
| D | Grundisburgh (Green Bank) ... | ... R. O. J. Dallmeyer, Esq. ... | 5 | 1 0 | 100 | ... | 29·32 | 166 | 127 |
| D | Campsea Ashe (High House) ... | ... Viscount Ullswater, G.C.B. | 8 | 1 0 | 60 | *23·0* | 28·04 | 157 | 133 |
| | Charsfield (Red House) ... | ... Hugh P. Youngman, Esq. | 5 | 1 9 | 150 | *24·1* | 30·99 | ... | ... |
| D | Blaxhall ... ... ... | ... R. H. Sherwood, Esq. ... | 5 | 1 0 | 50 | *23·4* | 31·74 | 187 | 139 |
| d | §Aldeburgh (Iken Way) ... | ... G. E. Sunderland-Taylor, Esq | ... | ... ... | 10 | ... | 30·62 | 186 | 133 |
| d | Saxmundham ... ... ... | ... M. F. Jennings, Esq. ... | 5 | 0 5 | 95 | ... | 29·18 | 168 | 142 |
| d | Saxmundham Expt'l. Station ... | ... E. Suffolk Education Com. | 5 | 0 6 | 100 | ... | 29·65 | ... | ... |
| D | Southwold ... ... ... | ... E. G. Naunton, Esq. ... | 8 | 1 0 | 0 | ... | 30·17 | 153 | 130 |
| | **4.—YARE & C. 208 sq. mi.** | | | | | | | | |
| D | BUNGAY (FLIXTON HALL) ... | ... Sir Shafto Adair, Bart. ... | 5 | 1 0 | 79 | *23·4* | 30·34 | 173 | 134 |
| D | Barsham Rectory ... ... | ... Rev. J. E. Soden ... ... | 5 | 1 3 | 50 | ... | 34·45 | 177 | 151 |
| D | LOWESTOFT (Secondary School) | ... Town Clerk ... ... | 5 | 1 0 | 82 | *23·5* | 31·02 | 180 | 136 |
| D | Herringfleet House ... ... | ... G. H. Wyllys, Esq. ... | 5 | 1 0 | 55 | *25·2* | 35·04 | 208 | 149 |
| D | Lound Pumping Station ... | ... Lowestoft Water & Gas Co. | 8 | 1 0 | 33 | *24·0* | 31·88 | 174 | 145 |
| D | Hopton (Hopton House) ... | ... Col. F. E. Walker, D.S.O.... | 5 | 1 2 | 100 | ... | 31·39 | 156 | 132 |
| d | Fritton Warren ... ... ... | ... Miss V. M. Upcher ... | 5 | 1 0 | 42 | *25·9* | 33·28 | ... | 138 |
| D | Fritton Hall ... ... ... | ... Late Major A. R. Buxton | 8 | 0 11 | 30 | *24·7* | 33·43 | 194 | 146 |
| | **5.—OUSE. 378 sq. mi.** | | | | | | | | |
| D | Bury St. Edmunds (Corp. Depot) | ... Borough Engineer ... ... | 8 | 2 0 | 181 | ... | 34·43 | 184 | 136 |
| D | Newmarket (Sewage Outfall) ... | ... F. B. Waterfall, Esq. ... | 5 | 1 0 | 81 | 23·2 | 27·29 | 154 | 128 |
| d | Bury St. Edmunds (Westley Hall) | ... Mrs. Burrell ... ... | 5 | 1 0 | 226 | 25·1 | 37·40 | ... | 150 |
| d | Bury St. Edmunds (Barton Lodge) | ... Mrs. S. Cox ... ... | 5 | 1 0 | 200 | ... | 33·48 | ... | 129 |
| D | Hengrave Hall ... ... ... | ... Sir John Wood, Bart. ... | 5 | 1 5 | 85 | *22·9* | 31·66 | 175 | 136 |
| D | Bury St. Edmunds (Troston Hall) | ... F. S. Beauford, Esq. ... | 5 | 1 0 | 130 | *23·0* | 30·06 | 186 | 131 |
| D | MILDENHALL (Airfield) ... | (+A) Meteorological Office ... | 8 | 1 0 | 15 | ... | 26·29 | 176 | 133 |

§ Turf wall round gauge. ‖ Gauge oversheltered.

## DIVISION IV—EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SUFFOLK—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—OUSE—(*contd.*).** | | | | | | | | |
| D | Mildenhall | Gt. Ouse Catchment Bd. | 5 | 1 3 | 33 | ... | 27·71 | 193 | 122 |
| D | Isleham Lock | Gt. Ouse Catchment Bd. | 5 | 5 2 | 10 | ... | 24·87 | 192 | 130 |
| | Barningham (The Beeches) | Miss A. K. Lingwood | 5 | 0 9 | 136 | *22·6* | 28·44 | ... | ... |
| D | Elveden Hall | The Earl of Iveagh, C.B. | 5 | 1 0 | 130 | *23·9* | 27·88 | 189 | 135 |
| D | Brandon (SANTON DOWNHAM) | Forestry Commission | 5 | 1 0 | 99 | ... | 29·16 | 195 | 133 |
| | **NORFOLK. (Area, 2,041 sq. mi.)** | | | | | | | | |
| | **1.—YARE. 658 sq. mi.** | | | | | | | | |
| D | Diss (Roydon) | R. S. Copeman, Esq. | 5 | 1 0 | 140 | ... | 29·56 | 175 | 144 |
| D | Pulham St. Mary (Brook House) | E. Beevor, Esq. | 5 | 1 0 | 125 | ... | 30·25 | 192 | 135 |
| | Harleston (Starston) | A. L. Taylor, Esq. | 5 | 0 10 | 120 | ... | 29·50 | 192 | 131 |
| D | Pulham St. Mary (Hill House) | W. G. Rutter, Esq. | 5 | 1 0 | 120 | 24·7 | 28·33 | 182 | 127 |
| D | Ditchingham | W. G. Rutter, Esq. | 5 | 1 0 | 25 | 23·9 | 32·22 | 181 | 147 |
| D | Ashwellthorpe (Tacolneston Hall) | C. H. Walter, Esq. | 5 | 0 9 | 200 | ... | 30·95 | 194 | 141 |
| D | Beccles (Raveningham Hall) | Lady Bacon | 5 | 1 6 | 60 | 24·6 | 32·25 | 173 | 145 |
| D | Hapton Parsonage | Lt.-Col. H. C. Copeman | 5 | 1 0 | 120 | ... | 26·05 | 172 | 126 |
| D | Wymondham | J. B. Pomeroy, Esq.* | 5 | 1 3 | 118 | ... | 31·26 | 186 | 144 |
| D | Ketteringham | Mrs. E. Boileau | 5 | 1 3 | 100 | ... | 28·80 | 181 | 139 |
| | Hardingham Hall | Col. B. M. Edwards* | ... | ... ... | 100 | ... | 32·32 | ... | ... |
| D | GORLESTON (C.G. Station) | Station Officer (M.O.) | 8 | 1 0 | 5 | 24·5 | 30·98 | 153 | 130 |
| D | Norwich (Carrow Abbey Gdns.) | The Misses Colman | 5 | 1 0 | 40 | 25·2 | 30·70 | 170 | 138 |
| D | NORWICH (Southwell Lodge) | J. H. Willis, Esq. | 5 | 1 0 | 110 | 25·9 | 30·22 | 197 | 140 |
| D | Norwich (City Cemetery) | L. Alan Jewell, Esq. | 5 | 1 2 | 93 | 25·5 | 30·78 | 191 | 141 |
| D | Thorpe St. Andrew (Pine Banks) | H. J. Jarrold, Esq. | 5 | 1 7 | 140 | ... | 30·55 | 173 | 142 |
| | Norwich (Marlingford Hall) | Major E. H. Evans-Lombe | 5 | 1 0 | 50 | 26·9 | 30·11 | ... | ... |
| D | East Tuddenham (Mulsey) | R. W. Keatley, Esq. | 5 | 1 5 | 115 | ... | 30·08 | 211 | 140 |
| | Great Fransham | Sir C. S. B. Renshaw | 5 | 1 0 | 230 | ... | 33·72 | 199 | 144 |
| | Sprowston (Oak Lodge) | A. Cozens-Hardy, Esq.* | 5 | 1 0 | 100 | 25·2 | 30·72 | ... | ... |
| D | East Dereham (The Laboratory) | Leonard A. Pett, Esq. | 5 | 1 1 | 300 | ... | 29·75 | 172 | 130 |
| D | Cawston (New Street) | N. B. Howard, Esq. | 5 | 0 8 | 148 | 26·6 | 33·99 | 201 | 134 |
| d | Fakenham (Wells Road) | W. H. Fisher, Esq.* | 5 | 3 0 | 9 | ... | 32·00 | ... | 122 |
| | **2.—YARE. Bure & c. 368 sq. mi.** | | | | | | | | |
| D | Norwich (SPROWSTON, Church Farm) | Director, Norfolk Ag. Stn. | 5 | 1 0 | 93 | 25·7 | 29·83 | 180 | 135 |
| D | Horsham St. Faith | Meteorological Office | 5 | 1 0 | 95 | ... | 30·00 | 172 | 118 |
| D | Yarmouth (Ormesby St. Michael) | Gt. Yarmouth W.W. Co. | 8 | 1 0 | 22 | 26·2 | 31·20 | 207 | 134 |
| D | Yarmouth (Scratby) | Harvey Palmer, Esq. | 5 | 1 0 | 70 | ... | 29·94 | 183 | 136 |
| D | Horning (Pumping Station) | Gt. Yarmouth W.W. Co. | 8 | 1 0 | 9 | ... | 35·03 | 204 | 133 |
| D | Haynford (Grove Cottage) | J. C. Harrison, Esq. | 5 | 0 7 | 50 | ... | 33·92 | 164 | 139 |
| | Hevingham (Rippon Hall) | Rev. A. F. Marsham* | 5 | 0 7 | 90 | 26·4 | 32·96 | ... | ... |
| | Aylsham (Woodgate Ho.) | Lt.-Col. P. W. Purdy* | 5 | 1 0 | 100 | ... | 33·40 | ... | ... |
| D | Worstead (Lyngate Cottage) | G. Cross, Esq. | 8 | 1 6 | 50 | 26·5 | 33·36 | 182 | 140 |
| D | Aylsham (The Mount) | Dr. C. L. Maingay | 5 | 1 0 | 90 | ... | 32·51 | 189 | 137 |
| D | Aylsham (Wilderness) | Mrs. J. Peed... | 5 | 1 0 | 80 | ... | 34·46 | 189 | 148 |
| D | Aylsham (Mill House) | R. L. Rust, Esq. | 5 | 1 0 | 50 | ... | 33·53 | 167 | 134 |
| D | Blickling Rectory | J. W. Montgomery, Esq. | 5 | 1 2 | 90 | ... | 34·38 | 180 | 143 |
| D | North Walsham (Worstead Lo.) | F. J. Frostick, Esq. | 5 | 3 0 | 170 | ... | 32·93 | 185 | 149 |
| D | Melton Constable Park | Head Gardener | 8 | 0 11 | 287 | ... | 34·78 | 188 | 143 |

* *Per* Norfolk Rainfall Organization.

## DIVISION IV—EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with .01 in. or more | Days with .04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NORFOLK—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **3.—STIFFKEYS & C. 290 sq. mi.** | | | | | | | | |
| D | Sandringham House Gardens | Mr. C. H. Cook | 5 | 1 6 | 121 | 26·4 | 33·72 | 186 | 144 |
| D | King's Lynn (Stanhoe Hall) | Miss C. Lee Warner | 5 | 1 0 | 240 | ... | 29·55 | 172 | 136 |
| D | Holt (Holt Lodge) | The Hon. W. H. Lascelles | 5 | 1 0 | 210 | ... | 31·71 | 172 | 147 |
| D | Cromer (Northrepps Hall) | Lt.-Col. C. R. Gurney | 5 | 1 0 | 226 | 26·7 | 34·55 | 178 | 141 |
| D | CROMER (Howards Hill) | Clerk to the U.D.C. | 8 | 1 0 | 178 | 23·8 | 29·88 | 190 | 134 |
| D | Langham | Miss F. E. Butcher | 5 | 0 7 | 137 | ... | 32·49 | 203 | 119 |
| D | Burnham Market | Mrs. Evelyn Buxton | 5 | 0 10 | 40 | ... | 27·45 | 171 | 136 |
| | Sheringham Hall | H. E. S. Upcher, Esq. | 5 | 0 9 | 136 | 23·6 | 30·63 | ... | ... |
| D | Sheringham (Pine Grove) | T. E. Ormond, Esq. | 5 | 1 0 | 70 | ... | 32·32 | 201 | 140 |
| | Sheringham (Sheringham Ho.) | Rev. E. C. S. Upcher | 5 | 1 0 | 150 | ... | 34·07 | 194 | 152 |
| D | §HUNSTANTON | Advancement Assn. | 5 | 1 1 | 105 | ... | 28·49 | 185 | 132 |
| d | Holme-next-Sea (Holme Ho.) | Mrs. S. C. Reed | 5 | 1 0 | 10 | ... | 30·33 | 187 | 134 |
| | **4.—OUSE & c. 709 sq. mi.** | | | | | | | | |
| D | Garboldisham Manor | Major E. W. Denny, D.S.O. | 8 | 1 0 | 70 | 23·2 | 28·55 | 200 | 134 |
| D | Thetford (Kilverstone Hall) | Baron Fisher of Kilverstone | 8 | 1 0 | 70 | 21·7 | 31·77 | 203 | 138 |
| D | Thetford Waterworks | L. G. Howell, Esq. | 8 | 1 0 | 165 | 23·8 | 28·53 | 210 | 128 |
| d | Attleborough (Quidenham Hall) | Earl of Albemarle | 5 | 1 0 | 100 | 24·1 | 29·61 | ... | 128 |
| d | Brandon (Lynford Hall) | Sir James Calder | 5 | 1 1 | 50 | ... | 27·98 | 157 | 132 |
| d | Attleborough (Breccles Hall) | J. E. Fitt, Esq. | 5 | 0 6 | 120 | ... | 27·22 | ... | ... |
| D | Caston (Flaxmoor) | Lt.-Col. T. S. N. Hardinge | 5 | 1 0 | 150 | ... | 27·83 | 191 | 131 |
| D | Denver Sluice | Great Ouse Catchment Bd. | 5 | 1 7 | 10 | ... | 25·00 | 182 | 120 |
| D | Denver (Crow Hill) | C. A. F. Wingfield, Esq. | 5 | 0 6 | 100 | ... | 24·69 | 179 | 129 |
| D | Downham (Dial House) | Messrs. T. H. Wenn & Co. | 5 | 1 6 | 50 | ... | 24·81 | 181 | 125 |
| D | Outwell (Well Creek Sluice) | G. McLeod, Esq., C.E. | 8 | 2 6 | 16 | 22·0 | 23·75 | 165 | 118 |
| d | Stow Bridge (Crabb's Abbey) | R. D. Carter, Esq. | 5 | 3 0 | 8 | ... | 25·37 | ... | ... |
| d | Swaffham | Messrs. Vynne & Everett, Ltd. | 5 | 2 4 | 210 | ... | 29·90 | 174 | 141 |
| D | Narborough Hall | F. H. Ash, Esq. | 5 | 1 0 | 45 | ... | 27·70 | 190 | 130 |
| d | King's Lynn (Narford) | G. F. Attwood, Esq. | 5 | 1 0 | 53 | ... | 30·25 | ... | 124 |
| D | Wiggenhall (St. Germans Sluice) | G. McLeod, Esq., C.E. | 5 | 1 6 | 9 | 23·1 | 25·53 | 165 | 121 |
| D | Gayton Waterworks | H. G. Ridler, Esq. | 5 | 1 0 | 131 | ... | 26·56 | 177 | 128 |
| D | King's Lynn (Manure Works) | W. J. R. Baxter, Esq. | 5 | 1 2 | 0 | ... | 26·20 | 152 | 107 |
| d | King's Lynn (Freebridge) | Great Ouse Catchment Bd. | 5 | 2 0 | 15 | ... | 27·39 | ... | 133 |
| D | Grimston (School House) | J. R. Steward, Esq. | 5 | 1 2 | 62 | ... | 27·78 | 178 | 122 |

## DIVISION V—SOUTH-WESTERN COUNTIES

**WILTSHIRE. (Area, 1,370 sq. mi.)**

**1.—LOWER AVON. 383 sq. mi.**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| D | Upton Scudamore P.S. | A. E. Carr, Esq. | 5 | 1 0 | 305 | ... | 38·11 | 176 | 149 |
| D | Westbury (Penleigh House) | Major G. M. Atkinson | 5 | 1 0 | 220 | ... | 36·57 | 173 | 153 |
| D | Westbury (Wellhead) | Waterworks Engineer | 5 | 1 8 | 314 | ... | 34·73 | 192 | 140 |
| D | Westbury (Braemar) | Mrs. F. D. Richards | 5 | 1 0 | 250 | ... | 34·51 | 177 | 141 |
| D | WEST LAVINGTON (Dauntsey's School) | Headmaster | 5 | 0 11 | 270 | ... | 32·99 | 172 | 133 |
| D | Little Cheverell House | Dr. T. W. Newton Dunn | 5 | 1 0 | 300 | ... | 33·23 | 172 | 142 |
| D | Market Lavington (Schoolhouse) | A. F. Burbridge, Esq. | 5 | 0 9 | 290 | 29·0 | 33·35 | 183 | 138 |
| D | Trowbridge (Town Hall) | Engineer | 8 | 1 2 | 131 | ... | 31·53 | 181 | 140 |
| | Bradford-on-Avon (Iford Manor) | Lt.-Col. Sir Michael Peto | 5 | 1 1 | 101 | ... | 36·66 | ... | ... |
| D | Holt (The Elms) | A. V. H. Beaven, Esq. | 5 | 1 0 | 144 | 30·3 | 34·21 | 177 | 146 |

§ Turf wall round gauge.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WILTSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—LOWER AVON—(*contd.*).** | | | | | | | | |
| D | Seend (Ferrum Towers) | Mrs. A. G. Haigh | 8 | 1 3 | 200 | ... | 31·45 | 143 | 125 |
| D | Great Chalfield | Major R. F. Fuller | 5 | 1 2 | 165 | 28·6 | 34·21 | 194 | 145 |
| D | Melksham (Forest Road) | I. Pothecary, Esq. | 5 | 1 0 | 136 | ... | 32·79 | 181 | 144 |
| D | Bowood House | Baroness Nairne | 5 | 0 4 | 306 | ... | 35·49 | 165 | 146 |
| D | Corsham (The Tynings) | W. A. Tolley, Esq. | 5 | 1 0 | 310 | ... | 36·69 | 171 | 136 |
| D | Calne (Castle Walk) | P. W. Phillips, Esq. | 5 | 1 0 | 240 | *28·9* | 36·68 | 179 | 154 |
| d | Calne (Compton Bassett Gdns.) | Mr. R. Devening | 5 | 0 11 | 324 | 30·7 | 33·12 | ... | 139 |
| D | Calne (Compton Bassett Rectory) | Rev. G. L. Deuchar | 5 | 1 0 | 350 | ... | 33·08 | 192 | 147 |
| D | Chippenham Waterworks | Borough Surveyor | 5 | 1 2 | 144 | ... | 36·18 | 178 | 147 |
| D | Chippenham (Monkton Park) | H. R. Coventry, Esq. | 5 | 1 7 | 200 | ... | 34·46 | 175 | 149 |
| | Chippenham (Kington Langley) | Mrs. Garnett | 8 | 1 0 | 172 | 30·3 | 37·55 | ... | ... |
| D | LYNEHAM (Airfield) | (+A) Meteorological Office | 5 | 0 11 | 455 | ... | 33·78 | 181 | 143 |
| D | Chippenham (Littleton Drew) | J. D. Marriott, Esq. | 5 | 5 0 | 418 | ... | 32·79 | 172 | 146 |
| D | Wroughton (Basset Down Ho.) | Mrs. Arnold Forster | 5 | 1 0 | 500 | 29·8 | 36·06 | 182 | 147 |
| D | Tockenham Manor | Major G. J. Buxton | 8 | 3 6 | 400 | ... | 34·67 | 182 | 152 |
| D | Malmesbury (Norton Manor) | Major N. S. Wilson | 8 | 1 2 | 326 | ... | 36·29 | 159 | 134 |
| D | Malmesbury (Elm Leaze) | Miss E. Milnes-Walker | 5 | 1 0 | 260 | ... | 34·09 | 156 | 132 |
| | **2.—STOUR. 33 sq. mi.** | | | | | | | | |
| D | Mere (Charnage) | W. G. B. White, Esq. | 5 | 1 6 | 426 | 33·8 | 43·16 | 185 | 153 |
| D | Stourhead | Sir H. H. A. Hoare, Bt. | 5 | 1 2 | 583 | 38·1 | 45·32 | 201 | 154 |
| | **3.—EAST AVON. 554 sq. mi.** | | | | | | | | |
| D | Broad Chalke | Dr. H. N. Burroughes | 5 | 4 1 | 362 | ... | 44·84 | 187 | 142 |
| | Salisbury (Bishopstone Rectory) | Rev. G. W. Borlase | 5 | 1 6 | 250 | ... | 49·01 | ... | ... |
| D | Salisbury (Harnham) | Mrs. E. M. Taunton | 5 | 1 0 | 200 | ... | 46·78 | 206 | 151 |
| D | Salisbury (Folkestone Rd.) | M. A. Chaplin, Esq. | 5 | 0 11 | 200 | ... | 44·92 | 182 | 139 |
| D | Fonthill House Gardens | Major J. G. Morrison, M.P. | 5 | 1 0 | 400 | 37·8 | 49·50 | 193 | 155 |
| D | Salisbury (Sewage Works) | (+A) S. R. Little, Esq., C.E. | 8 | 1 0 | 147 | 29·7 | 41·64 | 174 | 138 |
| D | Salisbury (Manor Road) | Miss L. C. D. Awdry | 5 | 1 0 | 250 | 29·2 | 47·09 | 213 | 156 |
| D | Salisbury (Atherton House) | Wilfrid Fletcher, Esq. | 5 | 1 0 | 250 | 30·4 | 44·43 | 192 | 137 |
| D | Wilton (Stone Lodge) | Major B. W. Parker | 5 | 1 6 | 175 | ... | 41·52 | 181 | 137 |
| D | Salisbury (Dinton) | Mrs. Bovill | 5 | 1 2 | 300 | ... | 41·17 | 196 | 148 |
| D | PORTON (W. D. Exp'l. Stn.) | Supt. Met. Dept. | 5 | 0 11 | 363 | 26·5 | 40·42 | 178 | 135 |
| D | Steeple Langford (Woodstock) | Miss A. J. Powell | 5 | 1 0 | 257 | ... | 41·49 | 185 | 142 |
| d | Wylye (Fisherton de la Mere) | Lt.-Col. F. N. Jeans | 5 | 0 8 | 350 | ... | 38·95 | ... | 155 |
| d | Maiden Bradley House | Duke of Somerset | 5 | 1 0 | 620 | 38·4 | 42·93 | ... | 140 |
| D | AMESBURY (BOSCOMBE DOWN) | (+A) Meteorological Office | 8 | 1 0 | 417 | ... | 37·11 | 184 | 137 |
| d | Warminster (Crockerton P.S.) | W. H. Edwards, Esq. | 5 | 1 0 | 460 | ... | 44·57 | ... | ... |
| D | Warminster (Henford) | Mrs. Robinson | 5 | 1 8 | 400 | ... | 43·11 | 193 | 150 |
| | Warminster (The Croft) | Rev. J. Lloyd Herbert | 5 | 0 7 | 420 | ... | 38·10 | ... | ... |
| D | Warminster (St. John's Lodge) | D. Vesey, Esq. | 5 | 1 6 | 400 | ... | 39·96 | 191 | 158 |
| D | LARKHILL (School of Artillery) | (+A) Meteorological Office | 5 | 1 0 | 440 | 25·5 | 35·02 | 178 | 136 |
| D | Shrewton (Maddington) | Miss V. L. Windsor | 5 | 0 9 | 285 | ... | 34·00 | 171 | 127 |
| D | Everleigh Rectory | Rev. J. S. Macnutt | 5 | 1 0 | 590 | ... | 38·09 | 169 | 142 |
| D | Pewsey (Oare) | Miss F. M. Peall | 5 | 1 6 | 500 | ... | 37·04 | 199 | 153 |
| D | Bishops Cannings | R. J. Combes, Esq. | 5 | 1 0 | 446 | 30·3 | 33·54 | 176 | 148 |
| | **4.—TEST. 77 sq. mi.** | | | | | | | | |
| D | Landford (Northlands) | Cedric R. Boult, Esq. | 5 | 1 0 | 180 | 30·7 | 39·45 | 194 | 152 |
| D | Ludgershall (Conholt Park) | Miss H. M. Gaskell | 8 | 1 0 | 800 | 33·9 | 40·48 | 193 | 149 |

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WILTSHIRE—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **5.—THAMES. Kennet. 169 sq. mi.** | | | | | | | | |
| D | Bishops Cannings (Shepherds Shore) | Devizes Gas & Water Dept. | 8 | 2 | 1 | 564 | ... | 35·07 | 196 | 154 |
| D | MARLBOROUGH College ... ... | Headmaster ... ... ... | 5 | 1 | 1 | 424 | 31·1 | 37·37 | 197 | 151 |
| D | Aldbourne (Manor House) ... ... | Capt. W. Brown, J.P. ... | 5 | 1 | 0 | 435 | ... | 35·20 | 209 | 147 |
| | **6.—THAMES. Cole and c. 154 sq. mi.** | | | | | | | | |
| D | Wroughton (Swindon W.W.) ... ... | J. B. L. Thompson, Esq., C.E. | 5 | 1 | 3 | 448 | ... | 33·26 | 181 | 146 |
| D | Chiseldon (Hodson House) ... ... | A. Ashford, Esq. ... ... | 5 | 0 | 9 | 560 | 29·0 | 34·40 | 191 | 155 |
| D | Swindon (Osborne St.) ... ... | H. Cook, Esq. ... ... | 5 | 1 | 0 | 322 | ... | 32·46 | 195 | 140 |
| D | Swindon (Town Gardens) ... ... | J. B. L. Thompson, Esq., C.E. | 5 | 1 | 4 | 471 | 27·5 | 31·53 | 172 | 138 |
| D | Purton (Restrop House) ... ... | Col. A. Canning ... ... | 5 | 1 | 3 | 444 | 27·7 | 31·02 | 164 | 142 |
| d | Purton (Modern School) ... ... | Headmaster ... ... ... | 5 | 1 | 0 | 395 | ... | 34·12 | 190 | 142 |
| | **DORSETSHIRE. (Area, 983 sq. mi.).** | | | | | | | | |
| | **1.—PARRETT. 61 sq. mi.** | | | | | | | | |
| D | Evershot (Melbury House) ... ... | Mr. W. G. Lee ... ... | 5 | 2 | 0 | 460 | 38·7 | 54·17 | 182 | 155 |
| d | Sherborne Castle ... ... | Mr. Edwin Hill ... ... | 5 | 1 | 0 | 195 | 32·5 | 39·36 | ... | 153 |
| D | Sherborne (Barton Gardens) ... ... | C. E. Bean, Esq. ... ... | 8 | 1 | 0 | 285 | ... | 39·85 | 189 | 152 |
| | **2.—AXE. 25 sq. mi.** | | | | | | | | |
| D | Forde Abbey ... ... ... ... | G. D. Roper, Esq. ... ... | 5 | 0 | 10 | 200 | 37·7 | 48·46 | 168 | 140 |
| | **3.—FROME & C. 501 sq. mi.** | | | | | | | | |
| D | PORTLAND BILL (Lighthouse) (+A) | Lightkeeper (M.O.) ... | 8 | 1 | 0 | 32 | 25·2 | 29·78 | 160 | 128 |
| D | Easton (Tophill School) ... ... | Headmaster ... ... ... | 5 | 1 | 0 | 250 | ... | 35·83 | 183 | 136 |
| d | Corfe Castle (Encombe) ... ... | The Hon. Sir Ernest Scott, K.C.M.G. ... ... | 5 | 1 | 0 | 200 | ... | 36·12 | ... | 135 |
| D | WEYMOUTH (Westham) ... ... | Town Clerk ... ... ... | 5 | 1 | 0 | 16 | 28·0 | 38·29 | 175 | 130 |
| D | Swanage (Panorama) ... ... ... | E. Horncastle, Esq.... ... | 5 | 1 | 0 | 120 | ... | 36·77 | 150 | 136 |
| D | SWANAGE ... ... ... ... | Clerk to the U.D.C. ... | 5 | 1 | 0 | 14 | ... | 35·30 | 166 | 130 |
| D | Chickerell (Lower Putton) ... ... | A. H. White, Esq. ... ... | 5 | 1 | 0 | 45 | ... | 36·99 | 180 | 127 |
| D | Steeple (Manor House) ... ... | late Major F. H. Swann ... | 5 | 0 | 8 | 231 | 34·8 | 40·66 | 185 | 141 |
| D | Corfe Castle (Mortons House) ... | Lt.-Col. A. R. Bond ... | 5 | 0 | 10 | 120 | ... | 40·14 | 178 | 134 |
| D | Creech Grange ... ... ... ... | J. W. G. Bond, Esq., C.B.... | 5 | 1 | 0 | 228 | 37·1 | 42·97 | 202 | 135 |
| D | Winfrith Rectory ... ... ... | Rev. C. S. Pugh ... ... | 5 | 3 | 0 | 200 | ... | 43·50 | 195 | 141 |
| D | Abbotsbury (West Street) ... ... | J. C. P. White, Esq. ... | 5 | 1 | 6 | 147 | 29·2 | 39·17 | 164 | 138 |
| d | Abbotsbury (West End) ... ... | The Earl of Ilchester ... | 8 | 1 | 6 | 100 | ... | 38·85 | ... | 138 |
| D | Upwey (Friar Waddon) ... ... | R. Davison, Esq. ... ... | 5 | 1 | 0 | 215 | ... | 44·08 | 185 | 140 |
| D | Upwey (Higher Well) ... ... ... | R. Davison, Esq. ... ... | 8 | 1 | 0 | 289 | ... | 40·83 | 195 | 144 |
| D | Warmwell ... ... ... ... | Weymouth W.W. Co. ... | 5 | 1 | 0 | 134 | ... | 44·58 | 165 | 135 |
| D | Wareham (East Holme) ... ... | Miss L. S. Bond ... ... | 5 | 1 | 0 | 23 | 33·9 | 39·96 | 161 | 134 |
| d | Wareham (The King's Barrow) ... | Major R. Feilden ... ... | 5 | 1 | 4 | 15 | 34·6 | 38·53 | ... | 128 |
| D | Wareham (Binnegar Hall) ... ... | Mr. J. W. Hayward ... | 5 | 1 | 0 | 65 | 33·8 | 40·95 | 166 | 131 |
| D | Wareham (Stockford) ... ... ... | W. Bond, Esq. ... ... | 8 | 0 | 11 | 65 | 33·4 | 40·74 | 183 | 130 |
| D | Wareham (Trigon) ... ... ... | Mrs. L. Sturdy ... ... | 8 | 1 | 4 | 60 | 32·1 | 39·82 | 183 | 132 |
| D | Dorchester (Littlemayne) ... ... | E. R. Sykes, Esq. ... ... | 5 | 1 | 0 | 200 | ... | 48·13 | 180 | 153 |
| D | Burton Bradstock (White House) ... | Major J. M. Wratislaw ... | 5 | 1 | 0 | 40 | ... | 37·12 | 175 | 145 |
| D | Dorchester Waterworks ... ... | H. D. Strange, Esq. ... | 8 | 1 | 0 | 312 | 36·6 | 50·52 | 190 | 142 |
| D | Dorchester (Stinsford) ... ... ... | J. Wyndham Hull, Esq. ... | 5 | 1 | 0 | 207 | 37·4 | 46·94 | 186 | 143 |

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **DORSETSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—FROME & C.—(*contd.*).** | | | | | | | | |
| D | Dorchester (Birkin House) | Mrs. Weber | 5 | 1 0 | 230 | 37·4 | 47·66 | 173 | 145 |
| D | Bradford Peverell House | H. F. Middleton, Esq. | 5 | 1 0 | 370 | ... | 48·37 | 195 | 145 |
| d | Poole (Pitwines Gasworks) | Bournem'th Gas & Water Co. | 8 | 1 0 | 8 | ... | 39·38 | ... | 128 |
| D | Parkstone (Balmoral Rd.) | Mrs. P. V. Hall | 5 | 1 0 | 75 | ... | 43·60 | 205 | 147 |
| d | Charminster (Brooklands) | K. P. Druce, Esq. | 5 | 0 10 | 200 | ... | 52·86 | ... | 145 |
| D | Branksome (Bourne Valley) | Bournem'th Gas & Water Co. | 8 | 1 3 | 84 | 30·0 | 42·95 | 171 | 144 |
| D | Branksome (Alderney Res.) | Bournem'th Gas & Water Co. | 8 | 1 3 | 213 | ... | 38·06 | 169 | 135 |
| d | Lytchett Minster School | Headmaster | 5 | 1 6 | 40 | ... | 38·94 | ... | 151 |
| | Lyme Regis (The Haye) | C. T. Thring, Esq. | 5 | 0 10 | 200 | ... | 41·50 | ... | 138 |
| D | Bridport (Coneygar) | Bridport Waterworks Co. | 5 | 1 0 | 110 | 32·9 | 41·21 | 187 | 146 |
| D | Bridport (Symondsbury) | A. W. S. Rose, Esq. | 5 | 1 0 | 83 | ... | 37·49 | 160 | 133 |
| D | Bridport (Ryall) | W. T. Bridges, Esq. | 5 | 1 6 | 460 | ... | 43·87 | 179 | 142 |
| d | Tolpuddle Parsonage | Mrs. A. Radcliffe | 5 | 0 7 | 100 | 32·9 | 42·42 | ... | 133 |
| D | Puddletown Vicarage | Rev. Canon A. L. Helps | 5 | 4 6 | 200 | 35·8 | 49·95 | 184 | 144 |
| D | ‖Bere Regis (Barrow Hill) | H. Galton, Esq. | 5 | 1 2 | 240 | 32·9 | 42·26 | 177 | 130 |
| D | Lytchett Matravers (Kit Robins) | H. Blanchard, Esq. | 5 | 1 0 | 300 | ... | 39·15 | 170 | 130 |
| D | Wynford House | A. W. S. Aldridge, Esq. | 5 | 1 0 | 410 | 43·5 | 55·75 | 215 | 168 |
| D | Netherbury (The Chantry) | Lt.-Col. H. L. Kitson | 5 | 1 0 | 150 | 35·2 | 45·58 | 193 | 154 |
| | Beaminster (Netherbury Court) | Mrs. S. W. Blacker | 5 | ... ... | 250 | ... | (44·51) | ... | ... |
| d | Maiden Newton (Chalmington) | W. Thorneycroft, Esq. | 5 | 0 6 | 485 | ... | 50·07 | ... | 147 |
| D | Beaminster (East Street) | W. A. Stiby, Esq. | 5 | 1 0 | 183 | 37·6 | 47·90 | 196 | 151 |
| D | Cerne Abbas (Long Street) | Capt. G. Jensen | 5 | 1 0 | 375 | ... | 53·16 | 176 | 159 |
| D | Minterne | Col. The Lord Digby, D.S.O., M.C. | 5 | 1 0 | 800 | ... | 55·30 | 199 | 161 |
| D | **4.—STOUR. 384 sq. mi.** | | | | | | | | |
| D | Lytchett Matravers School | Headmaster | 5 | 1 6 | 300 | ... | 40·43 | 160 | 126 |
| D | Broadstone (Grange Rd.) | R. Nimmo, Esq. | 5 | 1 0 | 160 | ... | 40·67 | 187 | 137 |
| d | Corfe Mullen (The Plantation) | A. J. Russell, Esq. | 8 | 2 0 | 300 | ... | 41·43 | 187 | 130 |
| D | Wimborne (Corfe Mullen W.W.) | Waterworks Engineer | 5 | 1 0 | 81 | 32·9 | 39·63 | 181 | 132 |
| D | Wimborne (Stapehill) | W. J. Marchant, Esq. | 5 | 1 0 | 95 | ... | 40·61 | 184 | 138 |
| D | Wimborne (Walsford Bridge P.S.) | Bournem'th Gas & Water Co. | 8 | 1 3 | 70 | ... | 41·80 | 160 | 138 |
| D | BLANDFORD (East Street) | R. Biddulph, Esq. | 5 | 0 10 | 105 | ... | 43·77 | 181 | 140 |
| D | Blandford (King's Road) | D. Blanchard, Esq. | 5 | 1 0 | 195 | ... | 42·34 | 181 | 139 |
| D | Blandford (Bryanston Gdns.) | Miss A. M. Jaques | 5 | 1 0 | 185 | ... | 45·98 | 166 | 134 |
| d | Blandford (Bryanston School) | Headmaster | 5 | 1 0 | 250 | ... | (42·72) | (187) | (135) |
| D | Blandford (Letton) | Brig.-Gen. B. F. B. Stuart, C.B., C.M.G. | 8 | 1 7 | 200 | ... | 42·26 | 172 | 137 |
| D | Glanvilles Wootton (Manor Ho.) | H. B. Debenham, Esq. | 5 | 0 9 | 250 | 35·2 | 45·48 | 164 | 144 |
| D | Holwell (Little Westrow) | Miss H. A. Warry | 5 | 1 0 | 252 | 34·4 | 46·87 | 180 | 142 |
| D | Wimborne St. Giles (St. Giles Ho.) | The Earl of Shaftesbury, K.P. | 5 | 1 6 | 165 | 33·4 | 44·19 | 171 | 139 |
| D | Sturminster Newton (Stock Gayland) | Miss Blake | 5 | 0 11 | 350 | ... | 39·59 | 188 | 148 |
| D | Child Okeford Manor | J. H. L. Glasbrook, Esq. | 5 | 1 0 | 250 | ... | 43·23 | 185 | 133 |
| d | Shaftesbury (St. Margaret's Marsh) | G. W. Payne, Esq. | 5 | 2 2 | 180 | ... | 36·58 | ... | 124 |
| d | Pentridge (Cobley) | F. B. Eastwood, Esq. | 5 | 1 0 | 500 | ... | 49·86 | ... | ... |
| D | SHAFTESBURY (C.E. School) | Headmaster | 5 | 1 0 | 680 | ... | 46·44 | 199 | 144 |
| D | Gillingham (Malt House) | Lord Basing | 5 | 1 6 | 275 | ... | 39·82 | 181 | 145 |
| | **5.—EAST AVON. 12 sq. mi.** | | | | | | | | |

‖ Gauge oversheltered.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOUTH DEVONSHIRE. (Area, 1,707 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—PARRETT. 7 sq. mi.** | | | | | | | | |
| | **2.—TAMAR & C. 395 sq. mi.** | | | | | | | | |
| D | *Plymouth (Mt. Batten) | (+A) Meteorological Office | 8 | 1 0 | 82 | ... | 41·45 | 180 | 139 |
| D | Plymouth (The Hoe) | Corpn. (G. H. Ivory & Part.) | 8 | 1 0 | 117 | 36·7 | 46·46 | 197 | 150 |
| D | Plymouth (Drake's Reservoir) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 149 | 37·5 | 46·29 | 176 | 150 |
| D | Plymouth (Freedom Park) | Corpn. (G. H. Ivory & Part.) | 8 | 1 0 | 208 | 39·4 | 48·06 | 205 | 154 |
| D | Devonport (Rowdens Res.) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 201 | 35·1 | 46·04 | 192 | 157 |
| D | Plymouth (Hartley Reservoir) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 321 | 39·9 | 52·17 | 204 | 159 |
| D | Bickleigh (Roborough Reservoir) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 548 | 46·2 | 62·54 | 225 | 169 |
| D | Lee Moor House | R. Martin, Esq. | 8 | 1 0 | 900 | 62·4 | 81·94 | 216 | 184 |
| D | Roborough (Maristow Gdns.) | F. A. Tuck, Esq. | 5 | 1 0 | 60 | ... | 65·85 | 200 | 169 |
| D | Sheepstor (Redstone) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 760 | 59·0 | 81·15 | 234 | 185 |
| D | Sheepstor (Head Weir) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 720 | 57·0 | 76·33 | 235 | 183 |
| D | Dousland Reservoir | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 721 | 51·8 | 77·58 | 223 | 187 |
| M | Dartmoor (Deancombe Farm) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 807 | ... | 89·53 | ... | ... |
| D | Yelverton (Yarrow-Dousland) | R. R. Brown, Esq. | 5 | 0 8 | 700 | ... | 72·90 | 235 | 176 |
| D | Yelverton (Uppaton) | Com.J.P.Burton,R.N.(Retd.) | 5 | 1 0 | 605 | ... | 64·27 | 213 | 173 |
| D | Dartmoor (Lowery) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 899 | ... | 77·66 | 234 | 185 |
| M | Dartmoor (Leather Tor Farm) | N. C. Elliot, Esq., C.E. | 5 | 1 0 | 910 | 59·0 | 86·19 | ... | ... |
| M | Dartmoor (Siward's Cross) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 1074 | 69·7 | 105·16 | ... | ... |
| D | Whitchurch (Grenofen) | H. Chichester, Esq. | 5 | 1 2 | 325 | 46·1 | 62·87 | 235 | 178 |
| D | Whitchurch (Langstone) | F. A. W. Coleridge, Esq. | 5 | 1 0 | 700 | 51·4 | 66·38 | 213 | 175 |
| D | Tavistock | Mrs. M. L. Monk | 5 | 1 0 | 457 | 47·6 | 60·09 | 189 | 170 |
| M | Dartmoor (Double Waters) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 1165 | 64·2 | 84·69 | ... | ... |
| D | Dartmoor (N. Hessary Tor) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 1398 | ... | 84·43 | 234 | 210 |
| D | Mary-Tavy (Blackdown) | H. K. G. Rogers, Esq. | 5 | 1 0 | 855 | ... | 73·17 | 224 | 200 |
| d | North Brentor (Langstone) | T. M. Lashbrook, Esq. | 5 | 1 0 | 800 | ... | 62·90 | ... | 178 |
| D | Coryton Manor | T. Newman, Esq. | 5 | 1 2 | 450 | 43·5 | 61·88 | 202 | 185 |
| D | Lifton (Raddon Slope) | James Oke, Esq. | 5 | 1 4 | 280 | ... | 53·58 | 225 | 169 |
| D | Lew Down (Coombe Trenchard) | H. M. Sperling, Esq. | 5 | 1 0 | 450 | 44·0 | 55·14 | 210 | 169 |
| D | Werrington Park | Mr. R. M. Gregory | 5 | 1 0 | 600 | ... | 56·69 | 214 | 175 |
| D | Ashwater (Barn Park Bungalow) | Miss Jamieson | 5 | 1 0 | 500 | 42·6 | 46·98 | 214 | 171 |
| D | Holsworthy (Bodmeyric) | Miss A. D. Rogers | 5 | 0 11 | 476 | 42·3 | 53·83 | 209 | 183 |
| | **3.—ERM & C. 217 sq. mi.** | | | | | | | | |
| D | Salcombe (Longmynd) | C. Shillitoe, Esq. | 5 | 1 0 | 210 | ... | 40·80? | 176 | 145 |
| D | Stoke Fleming (Oversea House) | Late H. C. Young, Esq. | 5 | 1 6 | 200 | ... | 52·10 | 177 | 147 |
| D | Stoke Fleming (Windward) | Miss E. L. Garrett | 5 | 1 0 | 380 | ... | 52·20 | 202 | 151 |
| D | Loddiswell (Alleron) | C. D. Wise, Esq. | 5 | 0 7 | 300 | ... | 57·71 | 192 | 155 |
| D | Yealmpton (Torre) | Miss M. Wimbush | 5 | 1 9 | 100 | 35·5 | 53·04 | 216 | 152 |
| D | Yealmpton (West Park) | D. M. Yonge, Esq. | 5 | 1 3 | 150 | ... | 54·10 | 206 | 156 |
| D | Yealmpton (Villa) | Dr. C. B. F. Tivy | 5 | 1 0 | 140 | ... | 55·82 | 202 | 152 |
| d | Loddiswell (Hazelwood Ho.) | Hon. Mrs. Peek | 5 | 1 0 | 300 | ... | 61·89 | ... | 156 |
| D | Wrangaton (Plymouth M. Hosp.) | Corpn. (G. H. Ivory & Part.) | 5 | 1 0 | 607 | 54·2 | 68·90 | 219 | 180 |
| D | South Brent (Millswood) | Major-Gen. G. L. Raikes, C.B., D.S.C. | 5 | 1 0 | 400 | ... | 76·78 | 232 | 174 |
| d | South Brent (Beechfield) | J. A. Kingwell, Esq. | 5 | 1 0 | 500 | 61·0 | 74·74 | ... | 166 |
| D | South Brent (Badworthy) | Miss D. B. Latham | 5 | 1 2 | 550 | 64·4 | 89·08 | 215 | 181 |
| D | South Brent (Didworthy San.) | Medical Officer | 5 | 1 0 | 675 | ... | 88·97 | 221 | 189 |
| | Cornwood (Yealm Head No. 5) | W. H. Thompson, Esq., C.E. | 5 | 1 0 | 540 | ... | 81·34 | ... | 174 |
| | Cornwood (Yealm Head No. 1) | W. H. Thompson, Esq., C.E. | 5 | 1 0 | 943 | ... | 91·55 | ... | ... |

* Exposure unorthodox.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge: Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **SOUTH DEVONSHIRE—(*contd.*).** | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—ERM & C.—(*contd.*).** | | | | | | | | | |
| | ‖Cornwood (Yealm Head No. 2) | | ... W. H. Thompson, Esq., C.E. | 5 | 1 0 | 1305 | ... | 95·39 | ... | ... |
| | Cornwood (Yealm Head No. 4) | | ... W. H. Thompson, Esq., C.E. | 5 | 1 0 | 1415 | ... | 96·22 | ... | ... |
| | **4.—DART. 197 sq. mi.** | | | | | | | | | |
| D | Dartmouth (Dean's Lodge) | ... | ... P. F. Summers, Esq. ... | 5 | 4 0 | 80 | ... | 50·00 | 205 | 154 |
| D | Dartmouth | ... | ... Borough & Water Engineer | 5 | 1 0 | 9 | ... | 49·64 | 207 | 149 |
| d | Brixham | ... | ... Torbay Paint Co., Ltd. ... | 8 | 2 0 | 164 | ... | 46·88 | ... | 140 |
| D | Brixham (Combe Bank) | ... | ... Sir H. Clayton, Bt. ... | 5 | 6 6 | 115 | 36·7 | 51·58 | 204 | 146 |
| d | Waddeton Court | ... | ... Lady Goodson ... ... | 5 | 1 6 | 175 | 40·5 | 48·11 | ... | 132 |
| d | Totnes (Dundridge Gardens) | ... | ... Mr. C. K. Pugsley ... ... | 5 | 1 0 | 250 | 48·3 | 71·01 | ... | ... |
| D | PAIGNTON (Victoria Park) | ... | ... Town Clerk ... ... ... | 8 | 1 0 | 12 | ... | 47·34 | 192 | 148 |
| D | Totnes (Walrond House) | ... | ... W. J. Toope, Esq. ... ... | 5 | 1 3 | 40 | 41·8 | 60·48 | 177 | 149 |
| D | TOTNES (Dartington Hall) | ... | ... J. B. E. Patterson, Esq. ... | 5 | 1 0 | 100 | ... | 58·50 | 204 | 156 |
| D | Broadhempston (Sneydhurst) | ... | ... H. S. Burbery, Esq. ... | 5 | 1 6 | 200 | ... | 54·52 | 207 | 150 |
| D | Ashburton (West St.) | ... | ... W. T. Hannaford, Esq. ... | 5 | 1 0 | 236 | 51·7 | 69·84 | 214 | 158 |
| D | Ashburton (Place) | ... | ... Mrs. E. Heron Varwell ... | 5 | 0 8 | 400 | ... | 70·75 | ... | 164 |
| D | Dartmoor (Fox Tor) | ... | ... E. Rowlands, Esq., C.E. ... | 5 | 1 7 | 1160 | ... | 98·90 | 253 | 192 |
| D | Dartmoor (Strane Valley) | ... | ... E. Rowlands, Esq., C.E. ... | 5 | 1 7 | 1180 | ... | 90·96 | 253 | 195 |
| D | Dartmoor (Swincombe) | ... | ... E. Rowlands, Esq., C.E. ... | 5 | 1 7 | 1120 | ... | 94·73 | 238 | 193 |
| D | PRINCETOWN (H.M. Prison) | ... | (+A) Governor ... ... ... | 5 | 1 0 | 1359 | 81·9 | 106·87 | 243 | 210 |
| W | Dartmoor (Cowsic Valley) | ... | ... N. G. Elliot, Esq., C.E. ... | 5 | 1 0 | 1323 | 76·7 | 98·78 | ... | ... |
| D | WIDECOMBE-IN-THE-MOOR (Bonehill) | ... | H. C. Thorpe, Esq., B.Sc. | 5 | 1 0 | 850 | ... | 86·18 | 207 | 177 |
| M | Dartmoor (Beardown Tor) | ... | ... N. G. Elliot, Esq., C.E. ... | 5 | 1 0 | 1582 | 76·6 | 102·10 | ... | ... |
| M | Dartmoor (White Tor) | ... | ... N. G. Elliot, Esq., C.E. ... | 5 | 1 0 | 1439 | ... | 92·39 | ... | ... |
| M | Dartmoor (Devil's Tor) | ... | ... N. G. Elliot, Esq., C.E. ... | 5 | 1 0 | 1570 | ... | 93·11 | ... | ... |
| M | Dartmoor (Cowsic Head) | ... | ... N. G. Elliot, Esq., C.E. ... | 5 | 1 0 | 1465 | ... | 94·18 | ... | ... |
| D | Bovey Tracey (Hedge Barton) | | ... Capt. W. K. Kitson ... | 5 | 1 6 | 1137 | 59·2 | 78·22 | 210 | 181 |
| | **5.—TEIGN. 209 sq. mi.** | | | | | | | | | |
| D | TORQUAY (Abbey Park) | ... | ... Town Clerk ... ... ... | 5 | 1 0 | 27 | 33·0 | 43·92 | 188 | 138 |
| D | NEWTON ABBOT (SEALE HAYNE COLL.) | | Principal ... ... ... | 5 | 1 0 | 375 | 34·7 | 48·27 | 170 | 147 |
| D | Teignmouth (Woodlands) | ... | ... Major T. B. Harris ... | 8 | 1 2 | 98 | 31·5 | 40·73 | 192 | 144 |
| D | TEIGNMOUTH (Den Gardens) | ... | ... Medical Officer of Health ... | 8 | 1 0 | 20 | 31·8 | 39·57 | 184 | 132 |
| D | Teignmouth (Hazledown Res.) | | ... Engineer & Surveyor ... | 8 | 1 0 | 425 | 32·4 | 42·25 | 190 | 146 |
| D | Teignmouth (Shaldon Res.) | ... | ... Engineer & Surveyor ... | 5 | 1 0 | 213 | 34·9 | 45·34 | 178 | 148 |
| D | Teignmouth (Landscore Res.) | ... | ... Engineer & Surveyor ... | 8 | 1 0 | 132 | 33·2 | 42·79 | 189 | 149 |
| D | Kingsteignton (Firleigh Rd.) | ... | ... M. B. B. Heath, Esq. ... | 6 | 1 0 | 130 | ... | 45·88 | 185 | 143 |
| D | Bovey Tracey (Whiddon) | ... | ... G. F. Wright, Esq. ... | 5 | 1 2 | 150 | ... | 55·37 | 193 | 145 |
| D | Dawlish (Oak Park) | ... | ... Dr. A. E. House ... ... | 5 | 2 6 | 125 | ... | 46·34 | 176 | 147 |
| D | Dawlish (The Lawn) | ... | ... Engineer & Surveyor ... | 5 | 1 0 | 18 | ... | 39·90 | 168 | 138 |
| D | Dawlish (Luscombe Castle) | ... | ... Peter Hoare, Esq. ... ... | 8 | 1 2 | 175 | 35·9 | 47·52 | 182 | 146 |
| D | Chudleigh (Scotleigh) | ... | ... J. P. Hepburn, Esq. ... | 5 | 1 3 | 280 | ... | 46·36 | 195 | 153 |
| D | Hennock (Hazlewood) | ... | ... R. P. Kitson, Esq. ... ... | 5 | 1 0 | 650 | ... | 54·43 | 199 | 150 |
| D | Lustleigh (Sun Hill) | ... | ... Mrs. H. Muir ... ... | 5 | 1 0 | 650 | ... | 62·36 | 205 | 146 |
| W | Moretonhampstead (Bullaton) | | ... Water Engineer, Torquay ... | 8 | 1 0 | 928 | 42·2 | 61·74 | ... | ... |
| W | Moretonhampstead (Mardon) | ... | ... Water Engineer, Torquay ... | 8 | 1 0 | 837 | 42·3 | 57·13 | ... | ... |
| D | North Bovey (Manor House) | | ... Mr. J. T. Laurence ... | 5 | 1 0 | 700 | 49·0 | 63·18 | 224 | 177 |
| M | Chagford (Hurston Ridge) | ... | ... Water Engineer, Torquay ... | 5 | 1 0 | 1350 | ... | 94·86 | ... | ... |
| M | Chagford (Toms Hill) | ... | ... Water Engineer, Torquay ... | 5 | 1 6 | 1500 | ... | 104·46 | ... | ... |
| M | Chagford (White Ridge) | ... | ... Water Engineer, Torquay ... | 5 | 1 6 | 1650 | ... | 105·17 | ... | ... |
| M | Chagford (Hemstone) | ... | ... Water Engineer, Torquay ... | 5 | 1 6 | 1350 | ... | 104·55 | ... | ... |
| D | Christow (Kennick) No. 1 | ... | ... Water Engineer, Torquay ... | 8 | 1 0 | 836 | 41·6 | 55·15 | 235 | 165 |

‖ Gauge overexposed on moor.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with .01 in. or more | Days with .04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOUTH DEVONSHIRE—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **5.—TEIGN—(*contd.*).** | | | | | | | | |
| D | Christow (Kennick) No. 2 ... | ... Water Engineer, Torquay ... | 8 | 1 | 860 | ... | 58·53 | 234 | 162 |
| d | Chagford (Fernworthy) ... | ... Water Engineer, Torquay ... | 5 | 1 | 1150 | ... | 89·51 | ... | 196 |
| d | Chagford (Metherall) ... ... | ... Water Engineer, Torquay ... | 8 | 1 | 1150 | ... | 87·86 | ... | 199 |
| M | Chagford (Thornworthy Down) | ... Water Engineer, Torquay ... | 5 | 1 | 1250 | ... | 91·15 | ... | ... |
| M | Chagford (Crownhall) ... ... | ... Water Engineer, Torquay ... | 5 | 1 | 1320 | ... | 103·83 | ... | ... |
| W | Christow (Smithacott) ... ... | ... Water Engineer, Torquay ... | 8 | 1 | 861 | 42·7 | 61·04 | ... | ... |
| W | Christow (Laployd) ... ... | ... Water Engineer, Torquay ... | 5 | 1 | 1041 | 42·3 | 64·53 | ... | ... |
| D | Chagford (Thornworthy) ... | ... Miss W. H. Varwell ... | 5 | 0 | 1175 | 59·6 | 90·38 | 244 | 187 |
| D | Chagford (Teignworthy) ... | ... E. A. Courthope, Esq. ... | 5 | 1 | 1000 | ... | 69·58 | 241 | 185 |
| D | Chagford (Denshams) ... ... | ... C. V. Somers Cocks, Esq. | 5 | 0 | 650 | ... | 65·99 | 223 | 159 |
| D | Chagford (Huish) ... ... | ... Col. P. Hart Dyke, D.S.O. | 5 | 1 | 590 | *45·5* | 61·65 | 224 | 173 |
| | **6.—EXE. 445 sq. mi.** | | | | | | | | |
| D | EXMOUTH (Waterworks Road) | ... Engineer U.D.C. ... ... | 5 | 1 | 195 | 28·6 | 35·25 | 164 | 134 |
| D | Exmouth (Filters, Salterton Road) | ... Engineer U.D.C. ... ... | 5 | 1 | 195 | 31·5 | 38·42 | 197 | 140 |
| D | Exmouth (Littleham) ... ... | ... W. Malan, Esq. ... ... | 5 | 0 | 7 | 155 | ... | 40·86 | 160 | 140 |
| D | Exmouth (Filters, Capel Lane) | ... Engineer U.D.C. ... ... | 5 | 1 | 0 | 240 | 30·3 | 39·21 | 196 | 139 |
| D | Kenton (The Vicarage) ... | ... Rev. K. E. Alexander ... | 5 | 1 | 0 | 100 | ... | 42·81 | 197 | 136 |
| D | Woodbury (Oakhayes) ... | ... E. S. Chattock, Esq. ... | 5 | 1 | 0 | 200 | ... | 38·25 | 166 | 137 |
| D | Shillingford Rectory ... ... | ... Rev. C. L. O'Ferrall ... | 5 | 1 | 8 | 200 | ... | 44·84 | 206 | 145 |
| D | Exminster (Trood House) ... | ... Lt.-Col. T. L. Ormiston ... | 5 | 1 | 11 | 75 | ... | 46·84 | 202 | 148 |
| D | Exeter (Hatfield Longdown) ... | ... C. Holman, Esq. ... ... | 5 | 0 | 10 | 450 | 33·8 | 45·21 | 170 | 145 |
| D | Aylesbeare (Homestead) ... | ... late A. T. Loram, Esq. ... | 5 | 0 | 10 | 220 | 31·4 | 40·97 | 177 | 144 |
| D | Exeter (Heavitree) ... ... | ... W. N. Lavis, Esq. ... ... | 5 | 1 | 0 | 140 | ... | 39·78 | 197 | 139 |
| d | Exeter (Devon and Exeter Inst.) | ... Librarian ... ... ... | 5 | 13 | 7 | 155 | 30·5 | 38·46 | ... | ... |
| D | EXETER Airport ... ... | ... Meteorological Office ... | 5 | 1 | 0 | 125 | ... | 40·98 | 184 | 145 |
| D | Rockbeare Manor ... ... | ... Mrs. D. M. Follett ... | 5 | 0 | 10 | 180 | 30·7 | 39·58 | 161 | 139 |
| D | Cheriton Bishop (Horslake) ... | ... L. Collings-Wells, Esq. ... | 5 | 3 | 6 | 500 | 33·3 | 46·56 | 201 | 156 |
| D | Broadclyst (Beaumont) ... | ... W. H. Leverton, Esq. ... | 5 | 1 | 0 | 50 | ... | 39·01 | 173 | 144 |
| D | Rewe (Autumn Haze) ... ... | ... Late G. E. Body, Esq. ... | ... | ... | ... | 120 | ... | 41·57 | 186 | 147 |
| | Crediton (Haywards School) ... | ... C. Luxton, Esq. ... ... | 5 | 1 | 0 | 186 | 33·3 | 41·74 | ... | ... |
| D | Crediton (Okefield) ... ... | ... Seymour F. Pope, Esq. ... | 5 | 1 | 0 | 325 | 32·2 | 39·61 | 220 | 160 |
| D | Copplestone (Coplestone House) | ... Com. W. Pope, R.N., D.S.O. | 5 | 0 | 9 | 315 | 34·4 | 41·91 | 220 | 169 |
| D | Silverton (Parsonage Lane) ... | ... A. G. Smale, Esq. ... ... | 5 | 7 | 6 | 300 | ... | 39·64? | 185 | 162 |
| D | Bradninch (Bowley Close) ... | ... Miss H. R. Hepburn ... | 5 | 1 | 0 | 300 | 34·0 | 42·96 | 197 | 163 |
| D | CULLOMPTON ... ... ... | ... Murray T. Foster, Esq. ... | 5 | 1 | 0 | 202 | 35·3 | 45·43 | 217 | 162 |
| D | Kentisbeare ... ... ... | ... A. E. Painter, Esq. ... | 5 | 1 | 0 | 304 | 37·1 | 43·41 | 200 | 152 |
| d | Cullompton (Willand) ... ... | ... Major F. M. Lane ... ... | 5 | 1 | 0 | 300 | ... | 40·73 | ... | 147 |
| D | Tiverton (Halberton) ... ... | ... Miss M. G. Izat ... ... | 5 | 1 | 6 | 300 | 40·8 | 40·92 | 191 | 148 |
| D | Tiverton (Cowley Lodge) ... | ... E. G. Peirce, Esq. ... ... | 5 | 2 | 6 | 250 | 37·3 | 43·10 | 187 | 150 |
| D | Cullompton (Uffculme) ... | ... F. C. Doidge, Esq. ... | 5 | 1 | 0 | 320 | ... | 42·67 | 192 | 157 |
| D | Culmstock (Woodgate Farm) ... | ... T. Langdon Hine, Esq. ... | 5 | 1 | 0 | 550 | ... | 43·03 | 193 | 153 |
| d | Hemyock Place ... ... ... | ... N. J. Hitchings, Esq. ... | 5 | 1 | 3 | 830 | 36·2 | 46·53 | ... | 140 |
| D | Morebath Manor ... ... | ... Major F. R. Rothwell ... | 5 | 1 | 0 | 600 | 44·3 | 53·43 | 221 | 170 |
| | **7.—AXE & C. 237 sq. mi.** | | | | | | | | |
| D | Budleigh Salterton (Braywick) | ... E. Fisher, Esq. ... ... | 5 | 1 | 0 | 120 | ... | 34·83 | 173 | 135 |
| D | Budleigh Salterton (Knowle Hill) | ... Lt.-Col. J. B. MacFarlan ... | 5 | 0 | 7 | 245 | ... | 39·49 | 183 | 135 |
| D | Budleigh Salterton ... ... | ... R. Jones-Bateman, Esq. ... | 5 | 1 | 0 | 370 | ... | 40·20 | 212 | 135 |
| d | Exmouth (Squabmoor) ... | ... J. H. F. Foster, Esq. ... | 5 | 1 | 0 | 450 | ... | 41·44 | 194 | 144 |
| D | SIDMOUTH (U.D.C.) ... ... | ... Borough Surveyor ... ... | 5 | 1 | 0 | 25 | ... | 36·53 | 186 | 141 |
| D | Sidmouth (Loretto) ... ... | ... S. Horsley, Esq. ... ... | 5 | 1 | 6 | 115 | ... | 38·29 | 200 | 143 |
| d | Sidmouth (Penn Cottage) ... | ... Dr. R. H. Norman ... | 5 | 1 | 0 | 100 | ... | 38·35 | 182 | 142 |

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOUTH DEVONSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **7.—AXE & C.—(*contd.*).** | | | | | | | | |
| D | Beer (The Anchorage) | J. G. Sargent, Esq. | 5 | 1 6 | 200 | ... | 42·15 | 168 | 136 |
| D | SEATON (Seafield) U.D.C. | (Lt.-Col.H.Anderson-Neville) | 5 | 1 0 | 43 | ... | 41·02 | 174 | 144 |
| D | Seaton (Marlpit Lane) | H. S. Stewart, Esq. | 5 | 1 0 | 150 | ... | 43·04 | 174 | 149 |
| D | Seaton (Homermead) | T. F. Tracy, Esq. | 5 | 1 0 | 185 | ... | 43·11 | 176 | 145 |
| D | Aylesbeare (Huntisbeare) | Rev. Preb. H. M. Drake | 5 | 1 0 | 400 | ... | 47·16 | 188 | 149 |
| D | Lyme Regis (Pinhay) | Ormsby Allhusen, Esq. | 5 | 0 9 | 465 | 34·9 | 43·58 | 213 | 149 |
| D | Sidbury (Court House) | V. C. Cave, Esq. | 5 | 0 10 | 200 | ... | 46·98 | 191 | 148 |
| | Sidbury Manor | V. C. Cave, Esq. | 5 | 1 5 | 350 | ... | 46·60 | ... | ... |
| D | Colyton (Colyford) | Mrs. M. A. Finch | 5 | 0 9 | 20 | ... | 42·32 | 181 | 137 |
| D | Ottery St. Mary (Broad Oak) | Miss Tallant | 5 | 1 2 | 300 | ... | 45·30 | 201 | 150 |
| D | Ottery St. Mary (Little Close) | P. M. Miller, Esq. | 5 | 1 0 | 250 | ... | 45·84 | 193 | 153 |
| D | Ottery St. Mary (Broad Street) | W. D. Badcock, Esq. | 5 | 1 0 | 170 | 36·3 | 45·17 | 192 | 152 |
| D | Seaton Junction | Express Dairy Co., Ltd. | 5 | 1 6 | 500 | ... | 49·49 | 196 | 149 |
| D | Axminster (Kilmington) | Mrs. C. M. Saunders | 8 | 1 6 | 210 | ... | 43·54 | 162 | 140 |
| D | Axminster (Gamberlake House) | late Col. A. L. Bayley | 5 | 1 6 | 120 | ... | 47·52 | 179 | 151 |
| D | Honiton (Feniton Court) | Hon. Mrs. Acland | 8 | 0 10 | 235 | 36·4 | 44·92 | 191 | 163 |
| D | Honiton (Black Lion Hotel) | R. Winterton, Esq. | 5 | 1 0 | 400 | ... | 52·44 | 199 | 151 |
| D | Membury (Yarty House) | Major W. H. Shoolbred-Wilkin | 5 | 1 0 | 245 | ... | 48·36 | 184 | 148 |
| D | Honiton (Cotleigh House) | Major J. M. Salusbury-Trelawny, M.C. | 5 | 1 3 | 540 | ... | 58·32 | 212 | 171 |
| D | Stockland | R. T. Watkin-Williams, Esq. | 5 | 1 0 | 300 | 40·5 | 58·81 | 199 | 157 |
| | **NORTH DEVONSHIRE. (Area, 898 sq. mi.)** | | | | | | | | |
| | **1.—NORTH COAST STREAMS. 77 sq. mi.** | | | | | | | | |
| D | Croyde (Baggy Point) | Miss C. M. Hyde | 5 | 1 0 | 40 | 30·1 | 34·01 | 179 | 144 |
| D | Ilfracombe (Reservoir) | A. J. Westaway, Esq. | 5 | 1 0 | 395 | 46·9 | 58·38 | 207 | 180 |
| D | ILFRACOMBE (Bowling Green) | A. J. Westaway, Esq. | 5 | 1 0 | 25 | 37·4 | 46·53 | 197 | 160 |
| | **2.—TAW. 442 sq. mi.** | | | | | | | | |
| | Spreyton (Lynderies) | Lt.-Col. J. Simpson | 5 | 1 0 | 660 | 36·3 | 42·50 | ... | ... |
| D | Chulmleigh (Ashreigney Rectory) | Rev. R. Y. Holmes | 5 | 0 6 | 590 | ... | 42·91 | 213 | 159 |
| D | Witheridge | Rev. J. A. S. Castlehow | 5 | 1 0 | 600 | 38·9 | 43·33 | 212 | 162 |
| D | East Anstey Rectory | Rev. J. S. Payne | 5 | 0 9 | 750 | 45·7 | 54·98 | 181 | 167 |
| d | East Anstey (Barton House) | Mrs. E. L. Hancock | 5 | 1 0 | 760 | ... | 58·37 | ... | 183 |
| D | Chittlehampton (Ridgedown) | T. R. M. Cardus, Esq. | 5 | 1 0 | 240 | ... | 43·89 | 199 | 163 |
| D | East Anstey (Chiltons House) | L. B. Akers, Esq. | 5 | 2 6 | 950 | ... | 57·08 | 229 | 181 |
| D | Bishops Tawton (Codden Hill) | E. F. Batten, Esq. | 5 | 0 11 | 400 | ... | 41·61 | 191 | 160 |
| D | Swimbridge (The Vicarage) | Rev. H. L. A. Rusbridger | 5 | 1 0 | 250 | ... | 47·99 | 215 | 169 |
| D | West Buckland School | Headmaster | 5 | 1 0 | 650 | ... | 55·27 | 210 | 179 |
| D | Barnstaple (Newport Vicarage) | Rev. H. L. Franklin | 5 | 1 0 | 40 | ... | 43·24 | 200 | 161 |
| D | BARNSTAPLE (N. Dev. Athenaeum) | Librarian | 8 | 1 0 | 25 | 36·6 | 40·22 | 187 | 155 |
| D | Barnstaple (Westaway) | Major O. L. Trechmann | 5 | 1 0 | 140 | 39·0 | 45·43 | 201 | 165 |
| D | Goodleigh (Chelfham Hill) | Lt.-Cmdr. J. K. Elliott, R.N. | 5 | 0 11 | 145 | ... | 55·45 | 198 | 175 |
| D | Braunton (The Linhay) | J. E. Gladstone, Esq. | 5 | 1 0 | 70 | ... | 40·99 | 200 | 162 |
| D | Challacombe | A. J. Westaway, Esq. | 5 | 1 0 | 851 | 62·8 | 76·96 | 229 | 190 |
| | **3.—TORRIDGE. 342 sq. mi.** | | | | | | | | |
| M | Dartmoor (Cranmere Pool) | S. R. Harry, Esq., for M.O. | 5 | 1 0 | 1845 | 73·5 | 109·40 | ... | ... |
| M | Dartmoor (Newbridge) | S. R. Harry, Esq., for M.O. | 5 | 1 0 | 1500 | 59·4 | 89·55 | ... | ... |

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | NORTH DEVONSHIRE—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 3.—TORRIDGE—(*contd.*). | | | | | | | | |
| D | Okehampton Waterworks | Borough Engineer | 5 | 1 0 | 860 | ... | 67·99 | 230 | 185 |
| D | Okehampton (Uplands) | Miss C. E. Burd | 5 | 1 0 | 700 | 51·4 | (68·78) | 226 | 188 |
| D | Winkleigh (Places) | R. A. B. Coad, Esq. | 5 | 4 0 | 500 | ... | 42·33 | 213 | 164 |
| D | Torrington (Hillside) | W. R. Hooper, Esq. | 5 | 1 0 | 337 | 39·3 | 47·37 | 197 | 166 |
| D | Parkham (Melbury Reservoir) | A. Brewer, Esq. | 5 | 1 0 | 515 | 54·6 | 64·40 | 219 | 183 |
| D | Buckland Brewer (The Cottage) | Miss B. G. Rogers | 5 | 0 11 | 469 | 46·3 | 55·26 | 218 | 173 |
| D | Bideford (Jennett's Res.) | Borough Surveyor | 5 | 1 0 | 62 | 40·8 | 43·32 | 194 | 155 |
| D | Bideford (Gammaton Res.) | Borough Surveyor | 5 | 1 0 | 350 | ... | 42·66 | 187 | 152 |
| D | Northam (Fordlands) | Lt.-Col. D. C. Spencer-Smith | 5 | 1 0 | 175 | ... | 43·12 | 188 | 158 |
| D | Northam (Windmill Lane) | S. Welsford Pain, Esq. | 5 | 1 0 | 200 | ... | 42·56 | 201 | 157 |
| d | Westward Ho! (Royal Golf Club) | Major A. Newton-King | 5 | 1 6 | 10 | 34·4 | 41·49 | ... | 154 |
| | 4.—WEST COAST STREAMS. 32 sq. mi. | | | | | | | | |
| d | Hartland (Fosfelle) | R. H. Cook, Esq. | 5 | 1 0 | 480 | 46·0 | 54·54 | ... | 162 |
| d | Clovelly Court | Clovelly Estate Co. Ltd. | 5 | 0 9 | 300 | ... | 61·00 | ... | 179 |
| D | HARTLAND POINT | Station Officer (M.O.) | 5 | 1 0 | 299 | ... | 38·43 | 190 | 151 |
| | 5.—EXE. 5 sq. mi. | | | | | | | | |
| | CORNWALL. (Area, 1,363 sq. mi.) | | | | | | | | |
| | 1.—CAMEL & N.W. COAST STREAMS. 458 sq. mi. | | | | | | | | |
| D | Crowan (Boswyn Res.) | Camborne Water Co. | 8 | 1 6 | 511 | 47·6 | 59·27 | 199 | 175 |
| | Lelant (Ven Ayr) | Lt.-Col. C. Watson-Smyth | 5 | 1 0 | 60 | ... | 49·83 | ... | ... |
| D | Lelant | Col. G. S. Tyringham | 5 | 1 1 | 100 | 44·4 | 47·78 | 212 | 162 |
| D | St. Ives (Bussow Moor) | Borough Surveyor | 5 | 1 0 | 390 | 48·6 | 54·30 | 222 | 169 |
| D | Zelah (Chyverton) | A. T. Holman, Esq. | 5 | 1 2 | 320 | ... | 50·64 | 216 | 162 |
| | Newquay (Reservoir) | U.D.C. | 5 | 1 0 | 214 | 33·4 | 45·21 | ... | ... |
| D | NEWQUAY (Mount Wise) No. 1 | U.D.C. | 5 | 1 0 | 182 | 33·2 | 42·00 | 208 | 160 |
| D | ST. EVAL | Meteorological Office | 5 | 1 0 | 345 | ... | 47·28 | 202 | 161 |
| D | Bodmin (Castle Hill House) | Major Hare | 5 | 0 8 | 484 | 49·4 | 61·01 | 223 | 175 |
| D | Wadebridge (Trevanson) | Miss A. T. Skilbeck | 5 | 1 2 | 200 | ... | 51·70 | 239 | 167 |
| D | Padstow (Cross Street) | J. W. V. Sheldon, Esq. | 5 | 1 0 | 100 | ... | 44·88 | 188 | 158 |
| D | Trevone (Pentonwarra) | W. M. Lindley, Esq. | 5 | 1 0 | 25 | ... | 40·39 | 192 | 154 |
| D | St. Minver (Trebetherick) | Miss D. M. Thomson | 8 | 1 0 | 100 | 32·0 | 37·17 | 203 | 151 |
| D | Camelford (Stannon Clay Wks.) | English China Clays, Ltd. | 8 | 1 6 | 850 | 54·8 | 73·45 | 224 | 194 |
| D | Delabole | Delabole Slate Co., Ltd. | 5 | 1 6 | 650 | ... | 56·26 | 229 | 186 |
| | Bossiney | Philip Stephens, Esq. | 5 | 1 0 | 290 | ... | 49·57 | 216 | 163 |
| D | Marhamchurch (Widcote) | Rev. C. G. Montgomery | 5 | 1 0 | 34 | ... | 39·06 | 187 | 152 |
| D | BUDE (School House) | Clerk to the U.D.C. | 5 | 1 0 | 50 | 33·4 | 37·05 | 198 | 154 |
| | 2.—FOWEY & S.E. COAST STREAMS. 620 sq. mi. | | | | | | | | |
| D | THE LIZARD (C. Guard Stn.) | Station Officer (M.O.) | 8 | 1 0 | 240 | *33·3* | 40·73 | 213 | 165 |
| | Mullion (C.P. School) | Headmaster | 5 | 1 5 | 260 | 37·4 | 39·69 | ... | ... |
| D | Bosahan (St. Martin-in-Meneage) | Lady Seaton | 5 | 1 6 | 120 | ... | 52·46 | 198 | 162 |
| | Mawnan Smith | Brig. Gen. H. D. Croft* | ... | ... | ... | ... | 51·32 | ... | ... |
| | Porthleven | J. J. Emmott, Esq.* | 5 | 1 0 | 100 | ... | 43·48 | ... | ... |
| | Sithney (Tregathenen Res.) | Helston & Porthleven W. Co. | 5 | 1 0 | 400 | ... | 47·84 | ... | ... |
| D | Penzance (Trewidden) | Mrs. C. Williams | 5 | 1 0 | 275 | 43·2 | 56·15 | 197 | 173 |
| d | St. Michael's Mount | Lord St. Levan | ... | ... | 50 | ... | 39·25 | ... | 133 |

* *Per* Cornwall Rainfall Association.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | CORNWALL—(*contd.*). | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 2.—FOWEY & S.E. COAST STREAMS—(*contd.*). | | | | | | | | | |
| D | PENZANCE (Morrab Gardens) | | Town Clerk ... ... ... | 5 | 1 0 | 55 | 40·9 | 49·68 | 210 | 160 |
| D | Penzance (Trengwainton House) | | Col. E. H. W. Bolitho, C.B. | 8 | 1 0 | 400 | 46·4 | 53·82 | 207 | 166 |
| D | GULVAL (Experimental Stn.) ... | | Cornwall County Council | 5 | 1 0 | 54 | 41·5 | 45·30 | 193 | 153 |
| D | Wendron (Nine Maidens) ... | | W. E. Benny, Esq. ... ... | 5 | 0 10 | 700 | ... | 64·07 | 203 | 171 |
| D | FALMOUTH (OBSERVATORY) ... | (+A) | Supt. for Roy. Cornwall Poly. Soc. ... ... | 5 | 1 0 | 167 | 43·6 | 51·19 | 205 | 154 |
| D | Penryn Reservoirs ... ... | | Falmouth Corpn. W.W. ... | 5 | 1 6 | 235 | ... | 56·63 | 195 | 162 |
| D | Penryn (Ashfield) ... ... | | Miss E. M. Stephens ... | 5 | 1 0 | 95 | 42·2 | 52·97 | 208 | 167 |
| D | St. Mawes (Lawn Bank) ... | | J. Stanley-Verde, Esq. ... | 5 | 1 0 | 100 | ... | 44·84 | 182 | 146 |
| D | Devoran (Devoran House) ... | | Rev. A. S. Rashleigh ... | 5 | 1 0 | 50 | ... | 54·74 | 208 | 161 |
| D | Gwennap (Trevince) ... ... | | C. H. Beauchamp, Esq. ... | 10 | 1 0 | 240 | 45·5 | 56·89 | 214 | 171 |
| | St. Day (Baldhu School) ... | | W. H. Tamblyn, Esq.* ... | 5 | 1 0 | 346 | ... | 52·69 | ... | ... |
| D | Truro (Tregolls) ... ... | | Miss A. M. Rashleigh ... | 5 | 1 0 | 65 | 41·6 | 52·95 | 199 | 157 |
| D | Truro W.W. (Lower Tregurrow) | | E. D. Lean, Esq. ... | 5 | 1 0 | 71 | 42·2 | 56·69 | 214 | 166 |
| D | St. Ewe (School House) ... | | R. Barbary, Esq. ... ... | 5 | 1 0 | 300 | ... | 51·49 | 207 | 160 |
| D | FOWEY ... ... ... ... | | Town Clerk ... ... ... | 5 | 1 0 | 51 | ... | 45·14 | 212 | 164 |
| D | St. Austell (Trevarna) ... ... | | W. M. Coode, Esq. ... | 5 | 1 0 | 300 | 45·8 | 57·33 | 218 | 169 |
| D | St. Austell (Poltair Public Gdns.) | | Engineer & Surveyor ... | 5 | 1 0 | 312 | ... | 56·86 | 212 | 165 |
| D | St. Austell (Trethurgy) ... | | Lantern China Clay Co., Ltd. | 5 | ... ... | 450 | ... | 66·82 | 224 | 180 |
| D | East Looe ... ... ... | | W. D. Clague, Esq. ... | 5 | 1 0 | 50 | ... | 47·88 | 198 | 154 |
| d | Downderry (The Watch House) | | G. S. Sneyd, Esq. ... ... | 5 | 1 0 | 100 | ... | 46·91 | 180 | 153 |
| D | Liskeard (Penmilder) ... ... | | Miss D. P. Foster ... ... | 5 | 1 0 | 260 | ... | 58·65 | 210 | 161 |
| D | Liskeard (Treventon) ... ... | | E. R. Foster, Esq. ... ... | 5 | 1 0 | 360 | 47·7 | 62·89 | 222 | 175 |
| | 3.—TAMAR & C. 279 sq. mi. | | | | | | | | | |
| | Newton Ferrers ... ... ... | | Lady Diana Abdy ... ... | 8 | 1 0 | 300 | ... | 63·14 | ... | ... |
| D | §ST. MELLION (ELLBRIDGE EXP. STN.) | | Horticultural Supt. ... | 5 | 1 0 | 200 | ... | 58·20 | 205 | 150 |
| | Launceston (North Hill) ... | | H. Landrey, Esq.* ... ... | 5 | 1 2 | 475 | 56·8 | 73·42 | ... | ... |
| D | Launceston (Bastreet, North Hl.) | | S. E. Cornwall Water Bd. | 5 | 1 6 | 800 | ... | 70·57 | 226 | 178 |
| D | Launceston (Landue) ... ... | | Miss S. E. Tregoning ... | 5 | 0 11 | 225 | 42·5 | 55·32 | 221 | 165 |
| | Egloskerry (Tregeare) ... ... | | Miss Lethbridge* ... ... | 5 | 1 10 | 513 | 43·1 | 60·55 | ... | ... |
| D | North Tamerton (Davies) ... | | W. S. Bray, Esq. ... ... | 5 | 3 9 | 390 | 35·9 | 47·21 | 217 | 170 |
| | 4.—INSULAR. Isles of Scilly. 6 sq. mi. | | | | | | | | | |
| D | ST. MARY'S (Coast Guard Stn.) | | Station Officer (M.O.) ... | 8 | 1 0 | 163 | 31·9 | 37·85 | 212 | 158 |
| D | Tresco Abbey ... ... ... | | Major A. A. Dorrien Smith, D.S.O. ... ... ... | 5 | 1 0 | 40 | 33·4 | 40·31 | 231 | 170 |
| | SOMERSET. (Area, 1,624 sq. mi.) | | | | | | | | | |
| | 1.—LOWER AVON. 294 sq. mi. | | | | | | | | | |
| d | Wanstrow (The Manor Cottage) | | Mrs. E. Warburton... ... | 5 | 1 0 | 465 | 37·7 | 46·69 | ... | ... |
| D | Frome W.W. (Egford) ... | | B. H. Parkes, Esq. ... ... | 8 | 2 0 | 270 | 35·8 | 47·17 | 203 | 149 |
| D | Binegar (Gurneyslade) ... | | Rev. R. A. Morey ... ... | 5 | 1 0 | 588 | 43·3 | 51·01 | 208 | 165 |
| D | Stratton-on-Fosse (Downside Ab.) | | Rev. R. A. Morey ... ... | 8 | 1 0 | 600 | 41·5 | 49·36 | 208 | 152 |
| D | Chewton Mendip (The Priory) | | Earl Waldegrave ... ... | 5 | 1 0 | 550 | 45·0 | 50·30 | 191 | 158 |
| W | East Harptree (Pitt Farm) ... | | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 705 | 45·0 | 56·08 | ... | ... |
| D | Midsomer Norton (Dymboro) | | Dr. A. Bulleid ... ... | 5 | 3 0 | 350 | 35·8 | 41·53 | 185 | 143 |
| D | Litton (Sherborne Res.) ... | (+A) | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 340 | 40·0 | 48·30 | 195 | 152 |
| W | Harptree Hill ... ... ... | | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 784 | ... | 53·30 | ... | ... |
| D | East Harptree (Harptree House) | | Lt.-Col. H. W. Kettlewell ... | 5 | 0 8 | 345 | 43·7 | 54·31 | 203 | 170 |
| W | East Harptree (Harptree Court) | | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 300 | 39·9 | 48·40 | ... | ... |

* *Per* Cornwall Rainfall Association. § Turf wall round gauge.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOMERSET—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **1.—LOWER AVON—(*contd.*).** | | | | | | | | |
| D | East Harptree (Townsend P.S.) | ... Water Engineer ... ... | 5 | 1 6 | 220 | ... | 48·51 | 179 | 142 |
| D | Hinton Blewett Manor... ... | ... Maurice Church, Esq. ... | 5 | 1 0 | 500 | 39·6 | 43·76 | 198 | 160 |
| W | North Widcombe ... ... | ... A. M. Paterson, Esq., C.E. | 5 | 1 0 | 215 | 36·0 | 43·56 | ... | ... |
| W | Chew Stoke (Heron's Green) ... | ... A. M. Paterson, Esq., C.E. | 5 | 1 0 | 179 | 36·2 | 43·22 | ... | ... |
| D | Pensford (Sutton Court) ... | ... Lord Strachie ... ... | 8 | 1 0 | 280 | 37·7 | 41·84 | 198 | 145 |
| D | Midford (Court Essington) ... | ... E. H. Atchley, Esq. ... | 5 | 2 6 | 450 | ... | 37·45 | 183 | 137 |
| D | Midford (Pumping Station) ... | ... Combe Down W.W. Co., Ltd. | 5 | 1 0 | 135 | ... | 38·68 | 211 | 152 |
| W | Chew Stoke (Walley Court) ... | ... A. M. Paterson, Esq., C.E. | 5 | 1 0 | 202 | 35·5 | 40·75 | ... | ... |
| D | Pensford (Hunstrete House) ... | ... Late Mrs. Leyborne Popham | 5 | 0 9 | 350 | 33·7 | 36·47 | 166 | 134 |
| W | Ridgehill ... ... ... | ... A. M. Paterson, Esq., C.E. | 5 | 1 0 | 400 | 36·0 | 42·84 | ... | ... |
| D | Chew Magna ... ... ... | ... A. M. Paterson, Esq., C.E. | 5 | 1 0 | 180 | 36·3 | 41·73 | 187 | 145 |
| D | Pensford (Publow School Ho.) | ... A. Hayes, Esq. ... ... | 5 | 1 0 | 230 | 33·2 | 37·07 | 197 | 141 |
| W | Winford (Upper Littleton) ... | ... A. M. Paterson, Esq., C.E. | 5 | 1 0 | 250 | 37·0 | 43·34 | ... | ... |
| W | Chew Magna (Norton) ... | ... A. M. Paterson, Esq., C.E. | 5 | 1 0 | 430 | ... | 41·00 | ... | ... |
| D | BATH (Henrietta Park) ... | ... Medical Officer of Health ... | 5 | 1 0 | 67 | 30·3 | 34·12 | 180 | 142 |
| d | Bath (Southstoke Road) ... | ... P. Hambleton, Esq. ... | 5 | 1 0 | 525 | ... | 37·03 | 198 | 148 |
| d | Bath (Monkton Combe) ... | ... W. G. Lock, Esq. ... ... | 5 | 1 6 | 450 | 30·3 | 33·50 | ... | ... |
| D | Bath (Combe Lodge) ... ... | ... Miss M. B. Clark ... ... | 5 | 1 0 | 520 | 31·4 | 40·50 | 208 | 150 |
| D | Bath (Combe Down Cottage) | ... C. Boutflower, Esq. ... | 5 | 1 0 | 500 | ... | 38·30 | 207 | 148 |
| d | Bath (Statutory Hospital) ... | ... Medical Officer of Health ... | 5 | 1 0 | 520 | 32·8 | 34·88 | ... | 140 |
| d | Bath (St. James' Square) ... | ... C. Stansden Paine, Esq. ... | 5 | 1 0 | ... | ... | 34·45 | ... | 139 |
| d | Bath (Bathwick Grange) ... | ... G. R. Marsh, Esq. ... ... | 5 | 1 0 | 450 | ... | 34·27 | 174 | 139 |
| D | Bath (Camden Road) ... ... | ... P.A. Laycock, Esq. ... | 5 | 1 0 | 252 | ... | 35·88 | 188 | 137 |
| D | Bath (Mount Beacon House) ... | ... Lady Stothert ... ... | 5 | 1 2 | 450 | 31·5 | 35·44 | 218 | 149 |
| D | Bath (Weston Lawn) ... ... | ... Rev. Preb. R. W. Windsor | 5 | 1 0 | 200 | ... | 36·00 | 192 | 145 |
| d | Bath (1, Coburg Villas) ... | ... J. R. Sparey, Esq. ... ... | 5 | 1 0 | 260 | ... | 35·80 | 185 | 144 |
| d | Bath (7, Bathwick Hill) ... | ... Rev. Preb. A. B. Burney, M.A. | 5 | 0 6 | 220 | ... | 34·91 | ... | ... |
| d | Bath (37, Bathwick Hill) ... | ... M. J. Lipscomb, Esq. ... | 5 | 1 2 | 215 | ... | 39·45 | ... | 138 |
| D | Bath (Charlcombe) ... ... | ... Bath Corporation W.W. ... | 5 | 1 6 | 325 | 31·4 | 35·70 | 183 | 139 |
| W | Felton (Upper Town) ... ... | ... A. M. Paterson, Esq., C.E. | 5 | 1 0 | 550 | 38·2 | 43·41 | ... | ... |
| D | Bath (Hamilton Road) ... | ... Miss J. Macnab ... ... | 5 | 1 6 | 500 | ... | 36·57 | 196 | 143 |
| D | Batheaston (Mumfords) ... | ... G. Lipscomb, Esq. ... ... | 5 | 1 2 | 200 | ... | 33·44 | 166 | 139 |
| D | Batheaston Reservoir ... ... | ... Bath Corporation W.W. ... | 5 | 1 0 | 248 | 31·1 | 35·65 | 193 | 145 |
| D | Keynsham (Somerdale) ... | ... Messrs. J. S. Fry & Sons, Ltd. | 5 | 1 0 | 58 | ... | 34·89 | 177 | 136 |
| D | Barrow Gurney Reservoir ... | ... A. M. Paterson, Esq., C.E. | 5 | 1 0 | 300 | 36·2 | 41·89 | 184 | 151 |
| D | Lansdown ... ... ... | ... Bath Corporation W.W. ... | 5 | 1 0 | 380 | ... | 37·81 | 187 | 141 |
| D | BRISTOL (AIRPORT) ... ... | (+A) Meteorological Office ... | 5 | 1 0 | 209 | ... | 39·04 | 185 | 146 |
| D | LONG ASHTON (Research Station) | ... The Director ... ... | 8 | 1 0 | 162 | 34·1 | 40·40 | 193 | 145 |
| D | Failand House ... ... ... | ... H. G. Tanner, Esq.... ... | 5 | 1 0 | 380 | 34·6 | 44·40 | 190 | 157 |
| | **2.—YEO, AXE & BRUE. 405 sq. mi.** | | | | | | | | |
| D | Bruton (Great Down Cottage) | ... F. K. Makins, Esq.... ... | 5 | 1 0 | 280 | ... | 36·88 | 194 | 148 |
| D | Street (Hindhayes) ... ... | ... Mrs. W. Bancroft Clark ... | 5 | 1 6 | 78 | 28·8 | 30·49 | 203 | 135 |
| D | Street (Millfield) ... ... | ... Dr. Hilda Clark ... ... | 5 | 1 1 | 100 | 28·8 | 32·06 | 180 | 140 |
| | Ashcott (Bradley Cottage) ... | ... F. H. Thomson, Esq.* ... | ... | ... ... | ... | ... | 31·04 | ... | ... |
| D | Glastonbury (Bere Lane) ... | ... Mrs. Mee ... ... ... | 5 | 0 8 | 100 | ... | 34·23 | 205 | 144 |
| D | Edington... ... ... ... | ... Major A. C. F. Luttrell ... | 5 | 1 6 | 90 | 31·2 | 35·50 | 190 | 157 |
| D | Cossington Manor ... ... | ... J. C. Macro Wilson, Esq. ... | 5 | 1 0 | 110 | ... | 31·18 | 162 | 136 |
| d | Cossington (Gold Corner) ... | (+A) H. Leeming, Esq.* ... ... | 5 | 1 0 | 12 | ... | 30·84 | ... | ... |
| D | Shepton Mallet (Charlton) ... | ... C. E. Burnell, Esq., J.P. ... | 5 | 1 0 | 481 | 38·8 | 41·12 | 222 | 163 |
| D | Shepton Mallett (Field House) | ... Sir F. H. Berryman ... | 5 | 1 0 | 500 | 38·6 | 43·57 | 196 | 162 |
| d | Wells (Wookey Hole Paper Mills) | ... W. S. Hodgkinson & Co., Ltd. | 5 | 1 4 | 140 | 35·1 | 38·48 | ... | ... |
| D | Wookey Hole (Elm Batch) ... | ... W. Speed, Esq.* ... ... | 5 | 0 10 | 238 | ... | 41·67 | 182 | 152 |

* *Per* Mid-Wessex Rainfall Association.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Ave ag Rain-fall | 1946: Rain-fall | 1946: Days with ·01 in. or more | 1946: Day with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOMERSET—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **2.—YEO, AXE & BRUE—(*contd.*).** | | | | | | | | |
| D | Burnham (Dunstan Ho.) | Miss A. E. Smith-Spark | 5 | 1 0 | 20 | 29·1 | 34·53 | 194 | 145 |
| D | Burnham | Surveyor | 5 | 1 0 | 24 | 28·5 | 32·80 | 185 | 137 |
| D | Burnham (Berrow Road) | Miss M. Robinson | 5 | 1 0 | 10 | 29·2 | 32·93 | 167 | 126 |
| D | Cheddar (Pumping Station) | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 50 | 33·6 | 37·40 | 179 | 143 |
| w | Charterhouse | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 619 | 43·2 | 50·10 | ... | ... |
| D | Winscombe (Mendip View) | C. Gibbins, Esq. | 5 | 1 0 | 100 | ... | 41·24 | 199 | 155 |
| w | Compton Martin | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 276 | 42·4 | 48·63 | ... | ... |
| w | Ubley (Rookery Farm) | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 525 | 44·9 | 50·52 | ... | ... |
| D | Winscombe (Wintrath) | D. B. Grubb, Esq. | 5 | 1 0 | 290 | 35·8 | 39·91 | 186 | 148 |
| w | Blagdon Hill | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 550 | 40·6 | 48·32 | ... | ... |
| D | Blagdon (Pumping Station) | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 112 | 37·0 | 41·36 | 186 | 153 |
| w | Blagdon (Coombe Lodge) | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 388 | 39·6 | 47·37 | ... | ... |
| w | Nempnett (West Town) | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 263 | 36·3 | 40·95 | ... | ... |
| w | Burrington (Burrington Links) | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 335 | 38·1 | 44·36 | ... | ... |
| D | WESTON-SUPER-MARE (Clarence Pk.) | Medical Officer of Health | 5 | 1 0 | 28 | 29·9 | 36·74 | 179 | 144 |
| w | Butcombe (Cholwell) | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 370 | 38·9 | 43·60 | ... | ... |
| D | Yatton Pumping Station | Long Ashton, R.D.C. | 5 | 0 10 | 18 | ... | 38·87 | 191 | 145 |
| D | Yatton (Chelvey) | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 60 | 32·5 | 40·34 | 188 | 154 |
| D | Backwell Hill | W. Garnett, Esq. | 5 | 1 0 | 490 | 33·2 | 39·50 | 163 | 142 |
| D | West Town | Theodore Robinson, Esq. | 5 | 2 0 | 80 | 34·6 | 39·22 | 185 | 147 |
| D | Clevedon W.W. (Tickenham Rd.) | Waterworks Engineer | 5 | 1 6 | 50 | 31·2 | 38·31 | 180 | 151 |
| D | Wraxall Court | Head Gardener | 5 | 0 10 | 200 | ... | 39·50 | 190 | 155 |
| D | Walton-in-Gordano | Lt.-Col. Sir Chas. Miles, Bt. | 5 | 0 9 | 80 | ... | 40·52 | 203 | 151 |
| | Portbury (The Farm) | J. Giles, Esq.* | 5 | 1 0 | 50 | ... | 42·67 | ... | ... |
| D | Portishead (Bristol Road) | Portishead Dist. Water Co. | 5 | 1 6 | 24 | 34·9 | 38·50 | 181 | 155 |
| D | Portishead (Redcliffe Bay) | A. E. Heaven, Esq. | 5 | 1 0 | 200 | ... | 43·85 | 184 | 151 |
| | **3.—PARRETT. 568 sq. mi.** | | | | | | | | |
| D | Chard (Snowdon) | A. J. Dening, Esq. | 5 | 1 0 | 400 | ... | 51·80 | 183 | 153 |
| D | Crewkerne (The Reservoir) | E. H. Munford, Esq. | 8 | 1 0 | 426 | 33·7 | 41·31 | 179 | 148 |
| D | Crewkerne (Bincombe House) | Major R. A. Russell | 5 | 1 2 | 293 | 34·7 | 43·05 | 194 | 144 |
| D | Chaffcombe House | Lt.-Col. L. H. Noblett | 5 | 0 10 | 400 | 33·1 | 48·46 | 198 | 156 |
| D | Hardington Mandeville | L. Dawson Campbell, Esq. | 5 | 1 0 | 400 | ... | 47·54 | 185 | 164 |
| D | Yeovil (Pen Mill Sewage Works) | Medical Officer of Health | 5 | 1 0 | 102 | 30·6 | 39·58 | 177 | 148 |
| D | Pitminster (Blagdon Hill) | G. L. Sidey, Esq. | 5 | 0 10 | 650 | ... | 52·44 | 229 | 170 |
| D | Bickenhall (Forest Drove) | A. H. Turner, Esq. | 5 | 1 10 | 250 | ... | 42·54 | 192 | 148 |
| D | Wellington (Payton Ho.) | Miss M. F. Mathias | 5 | 0 11 | 230 | ... | 44·99 | 190 | 147 |
| D | Ashbrittle (Kyrle) | Major J. H. Mathias | 5 | 0 9 | 525 | ... | 44·34 | 210 | 160 |
| D | Martock Vicarage | Prebendary Saunders | 5 | 0 9 | 61 | 29·6 | 33·30 | 174 | 133 |
| D | Rimpton | P. B. Cardwell, Esq. | 5 | 1 2 | 146 | ... | 36·34 | 203 | 156 |
| | Taunton (Stone Gallows Hill) | Major E. P. Kingzett | 5 | 1 0 | 246 | ... | 37·15 | ... | ... |
| D | Taunton (Vivary Park) | Medical Officer of Health | 5 | 1 0 | 71 | 29·5 | 33·53 | 176 | 136 |
| D | Queen Camel (England's Side) | J. A. Brendon, Esq. | 5 | 1 0 | 100 | ... | 36·17 | 185 | 145 |
| d | Taunton (St. George's Rectory) | Canon R. A. Iles | 5 | 0 7 | 90 | ... | 36·08 | ... | ... |
| D | Milverton (Spring Grove) | J. O. Lloyd, Esq. | 5 | 1 0 | 640 | 36·7 | 46·11 | 243 | 163 |
| | Langport (Drayton) | E. Dabinett, Esq.* | 5 | 1 0 | 46 | ... | 33·17 | ... | ... |
| D | Wiveliscombe (Culverhead) | Lt.-Col. H. Jefferys Taylor | 5 | 1 6 | 430 | 39·6 | 50·11 | 178 | 148 |
| D | Langport (The Grange) | Miss V. M. Page | 5 | 1 0 | 50 | ... | 32·63 | 192 | 139 |
| D | Langport (County School) | H. G. Jefferies, Esq. | 5 | 1 0 | 65 | 28·1 | 34·54 | 177 | 137 |
| D | North Cadbury | H. R. Watson, Esq. | 5 | 1 0 | 250 | ... | 42·68 | 210 | 159 |
| D | Somerton (The Grange) | R. W. Pretor-Pinney, Esq. | 5 | 1 0 | 106 | 27·8 | 32·17 | 172 | 139 |
| D | Wiveliscombe (Bulland Lodge) | A. V.-M. A. J. Capel, C.B., D.S.O., D.F.C. | 5 | 1 1 | 790 | ... | 53·85 | 225 | 167 |

* *Per* Mid-Wessex Rainfall Association.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·01 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOMERSET—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—PARRETT—(*contd.*).** | | | | | | | | |
| D | Fitzhead (Washers Farm) | W. H. L. Hurman, Esq. | 5 | 1 0 | 339 | ... | 42·48 | 194 | 147 |
| D | Bishop's Lydeard (Ash Priors) | H. Ross, Esq. | 5 | 0 6 | 200 | ... | 40·31 | 178 | 139 |
| d | Bishop's Lydeard (Watts Ho.) | Sir Gerald Boles, Bt. | 5 | 1 0 | 320 | ... | 37·99 | ... | 140 |
| | W. Sedgemoor P. Stn. | Somerset Rivers C. Bd.* | 5 | 1 0 | 25 | ... | 29·67 | ... | ... |
| d | Taunton (East Lyng) | J. T. Ames, Esq. | 5 | 1 0 | 43 | ... | 34·09 | ... | 137 |
| | North Barrow (Orchards) | M. M. Tabor, Esq.* | 5 | 1 0 | 170 | ... | 34·97 | ... | ... |
| d | Lydeard St. Lawrence | Mrs. R. F. Fox | 5 | 0 11 | 352 | 36·4 | 43·23 | ... | 165 |
| | Castle Cary | Mr. A. Farthing* | 5 | 1 0 | 290 | ... | 38·81 | ... | ... |
| | Bridgwater (Northmoor P.S.) | Somerset Rivers C. Board* | 5 | 1 0 | 23 | ... | 31·51 | ... | ... |
| | Bridgwater (Enmore) | Capt. H. H. Broadmead* | ... | ... ... | 200 | ... | 34·59 | ... | ... |
| | Bridgwater (Durleigh) | R. A. Watson, Esq.* | 8 | 1 0 | 46 | 29·8 | 33·71 | ... | ... |
| | Bridgwater (Blake Gardens) | R. A. Watson, Esq.* | 5 | 3 1 | 27 | 28·5 | 34·32 | ... | ... |
| | Bridgwater (Wembdon) | E. L. Kelting, Esq., C.E. | 5 | 1 6 | 47 | ... | 32·60 | ... | ... |
| D | Over Stowey (Plainsfield) | Lord St. Audries | 5 | 0 10 | 400 | ... | 44·61 | 197 | 152 |
| | Spaxton (Dore House) | Dr. G. L. Lyon-Smith | 5 | 0 9 | 176 | ... | 39·76 | ... | ... |
| D | Over Stowey (Quantock San.) | Medical Superintendent | 5 | 1 0 | 430 | 35·0 | 43·62 | 202 | 158 |
| | Cannington (Ashford W.W.) | R. A. Watson, Esq. | 5 | 1 1 | 102 | 31·4 | 34·21 | ... | ... |
| D | Over Stowey | H. L. Butt, Esq. | 5 | 1 0 | 550 | ... | 44·32 | 216 | 154 |
| D | CANNINGTON (Som. Farm Inst.) | Principal | 5 | 1 0 | 95 | ... | 33·55 | 173 | 133 |
| | Bridgwater (Fiddington) | J. M. Lee, Esq.* | 5 | 1 0 | 100 | ... | 39·85 | ... | ... |
| | **4.—NORTH COAST STREAMS. 158 sq. mi.** | | | | | | | | |
| D | Crowcombe (Crowcombe Ho.) | Dr. B. M. Young | 5 | 1 0 | 490 | 36·9 | 42·63 | 190 | 159 |
| | Bicknoller (Ford) | John Tracey, Esq. | 5 | 1 2 | 150 | 33·0 | 41·42 | 211 | 146 |
| D | Bicknoller (Weacombe Ho.) | W. T. Greswell, Esq. | 5 | 1 9 | 200 | 34·2 | 38·67 | 167 | 137 |
| D | Williton (Catwell) | F. S. Hayne, Esq. | 5 | 1 0 | 75 | ... | 38·93 | 188 | 141 |
| D | Holford (Dyche) | Lord St. Audries | 5 | 1 0 | 280 | ... | 38·90 | 181 | 147 |
| D | W. Quantoxhead (St. Audries Rectory) | Rev. E. L. Miller | 5 | 0 11 | 200 | ... | 40·90 | 200 | 147 |
| D | Kilve Court | Mrs. Cooke-Hurle | 5 | 1 0 | 150 | 30·0 | 37·78 | 199 | 145 |
| D | East Quantoxhead (The Rectory) | Rev. G. de Y. Aldridge | 5 | 1 0 | 130 | ... | 39·74 | 189 | 155 |
| D | Watchet (Chapel Cleeve) | G. S. Lysaght, Esq. | 5 | ... ... | 90 | ... | 39·03 | 195 | 141 |
| D | Stogursey (Fairfield House) | Lord St. Audries | 5 | 1 0 | 150 | 31·1 | 36·74 | 185 | 144 |
| | Bridgwater (Stockland Manor) | Lt.-Col. H. T. Daniel* | 5 | 1 0 | 90 | ... | 36·39 | ... | ... |
| D | Carhampton (The Croft) | E. W. Darby, Esq. | 5 | 1 0 | 100 | ... | 44·56 | 205 | 163 |
| D | Dunster Castle Gardens | Mr. S. Hardwick | 8 | 1 0 | 100 | ... | 42·17 | 179 | 163 |
| D | Dunster (County School) | P. R. Day, Esq. | 5 | 1 0 | 160 | 32·2 | 42·70 | 179 | 141 |
| D | Minehead (Dunkery Lodge) | Rev. E. P. Liddon | 8 | 1 0 | 15 | ... | 41·99 | 220 | 150 |
| | Porlock (Hacketty Lodge) | Major E. C. Clegg | 5 | 0 10 | 300 | ... | 47·30 | ... | ... |
| D | Stolford (Whitewick Farm) | C. Mackenzie, Esq. | 5 | 0 9 | 10 | ... | 36·86 | 168 | 143 |
| D | Minehead (Northcote) | G. F. Tranter, Esq. | 5 | 0 9 | 180 | ... | 38·47 | 185 | 144 |
| D | Minehead (Blenheim Gardens) | Engineer & Surveyor | 5 | 1 0 | 37 | 33·4 | 39·65 | 186 | 137 |
| D | Minehead (Weirfield) | Rev. A. G. Robinson | 5 | 0 11 | 110 | ... | 40·90 | 206 | 166 |
| d | West Porlock House | Mrs. G. Blathwayt | 5 | 1 6 | 40 | 42·7 | 48·83 | ... | ... |
| D | Culbone (Lillycombe) | E. T. MacDermot, Esq. | 5 | 1 0 | 1210 | 51·4 | 64·46 | 217 | 175 |
| | **5.—EXE. 122 sq. mi.** | | | | | | | | |
| D | Churchstanton (Stapley) | Miss C. M. V. Church | 5 | 1 0 | 600 | ... | 49·34 | 210 | 158 |
| D | Exbridge | Exe Valley Fishery Co. | 5 | 2 6 | 400 | 43·3 | 49·76 | 191 | 165 |
| D | Brushford Rectory | Rev. B. J. du Boe | 5 | 1 0 | 450 | 44·5 | 52·94 | 203 | 176 |
| D | Brushford Nurseries | Mr. G. Ruff | 5 | 1 0 | 450 | 43·8 | 54·13 | 220 | 173 |
| D | East Anstey (Dassels) | Major Farquhar | 5 | 1 0 | 850 | ... | 54·86 | 220 | 177 |
| D | Dulverton (C.E. School) | C. J. R. Weaver, Esq. | 5 | 0 9 | 550 | 47·8 | 55·00 | 200 | 175 |

* *Per* Mid-Wessex Rainfall Association.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | SOMERSET—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—EXE.—(*contd.*).** | | | | | | | | |
| D | Winsford | Capt. R. S. Le Bas | 5 | 1 0 | 620 | 54·3 | 63·21 | 218 | 178 |
| D | Winsford (Howtown House) | W. H. Hawker, Esq. | 5 | 1 6 | 700 | ... | 64·47 | 229 | 185 |
| D | Withypoole (Newlands) | Rev. F. M. Etherington | 5 | 1 0 | 940 | ... | 69·82 | 191 | 178 |
| | Exford (Stockleigh Lodge) | Mrs. Wiggin... | 5 | 1 0 | 1000 | 55·4 | 69·76 | ... | ... |
| | **6.—AXE. 42 sq. mi.** | | | | | | | | |
| D | Simonsbath (Honeymead) | Sir Robert Waley Cohen, K.B.E. | 5 | 1 0 | 1250 | ... | 78·22 | 256 | 194 |
| D | Wayford Manor | H. L. P. Baker, Esq. | 5 | 0 10 | 425 | ... | 49·39 | 196 | 152 |
| D | Cricket St. Thomas | Mr. C. G. Rose | 5 | 1 0 | 444 | 39·3 | 51·53 | 182 | 164 |
| | **7.—STOUR. 35 sq. mi.** | | | | | | | | |
| | Henstridge | Mr. P. Parsons | 5 | 1 1 | 256 | ... | 41·66 | ... | ... |
| | Temple Combe Rectory | The Rt. Rev. G. W. Wright* | 5 | 1 4 | 250 | 34·9 | 42·93 | ... | ... |

## DIVISION VI—WEST MIDLAND COUNTIES

| | GLOUCESTERSHIRE. (Area, 1,237 sq. mi.) | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
|---|---|---|---|---|---|---|---|---|---|
| | **1.—WYE. 50 sq. mi.** | | | | | | | | |
| | Chepstow (Castleford) | Mrs. W. R. Lysaght | 5 | 1 0 | 146 | 35·8 | 40·30 | ... | ... |
| d | Redbrook (Hill Crest) | S. Horton, Esq. | 5 | 0 9 | 160 | ... | 41·77 | ... | 125 |
| D | Redbrook Pumping Station | C. W. D. Ward, Esq. | 5 | 1 0 | 225 | ... | 44·56 | 171 | 142 |
| D | Forest of Dean (Reddings Lodge) | Forestry Commission | 8 | 1 0 | 650 | ... | 40·62 | 186 | 139 |
| D | Forest of Dean (Mailscot) | Forestry Commission | 8 | 1 3 | 630 | ... | 40·88 | 187 | 141 |
| | **2.—SEVERN. Right Bank Tributaries. 185 sq. mi.** | | | | | | | | |
| D | Forest of Dean (PARKEND) | Forestry Commission | 8 | 1 0 | 325 | ... | 42·66 | 175 | 139 |
| D | §Coleford (Cannop Colliery) | Manager | 5 | 1 0 | 330 | ... | 41·40 | 175 | 137 |
| d | Forest of Dean (Edgehills Lodge) | Forestry Commission | 8 | 1 0 | 915 | ... | 37·64 | ... | 128 |
| D | Newent (Taynton) | M. Philips Price, Esq. | 5 | 1 0 | 60 | 29·3 | 34·15 | 178 | 133 |
| d | Bromsberrow Heath Pump. Stn. | Malvern U.D.C. | 5 | 1 0 | 181 | 26·2 | 29·51 | ... | 121 |
| D | Tewkesbury (Forthampton Ct.) | Mr. B. Webster | 5 | 1 0 | 48 | 26·9 | 28·60 | 174 | 127 |
| D | Tewkesbury (Upper Lode) | H. J. Minett, Esq. | 5 | 1 0 | 41 | 25·2 | 28·00 | 168 | 128 |
| | **3.—SEVERN. Left Bank Tributaries. 369 sq. mi.** | | | | | | | | |
| D | Thornbury (Thornbury Park) | Capt. R. A. Bennett | 5 | 1 3 | 70 | 32·2 | 38·68 | 182 | 145 |
| D | Alderley (Cordwalles) | C. H. Ledward, Esq. | 5 | 1 0 | 300 | ... | 35·13 | 179 | 138 |
| D | Tortworth School | E. A. Smith, Esq. | 5 | 1 6 | 264 | 31·8 | 41·41 | 195 | 158 |
| D | Avening (Brookside) | Mrs. Ricardo | 5 | 1 0 | 350 | ... | 41·85 | 177 | 144 |
| D | Berkeley Castle Gardens | Mr. T. B. Ashbee | 5 | 1 6 | 60 | 29·1 | 37·76 | 187 | 139 |
| D | Minchinhampton (The Shard) | E. H. Denne, Esq. | 5 | 1 0 | 495 | ... | 39·64 | 194 | 146 |
| D | Minchinhampton (Rectory Cott) | F/Lt. G. W. Fisher | 5 | 1 0 | 610 | 33·9 | 41·03 | 202 | 151 |
| d | Chalford W.W. | Stroud W.W. | 5 | 2 0 | 241 | ... | 33·27 | ... | ... |
| d | Frocester Manor | Capt. J. E. H. Graham-Clarke | 5 | 1 0 | 80 | ... | 34·83 | ... | 139 |
| D | Stroud (Oakridge) | Hon. Sir Stafford Cripps, K.C. | 5 | 1 0 | 550 | ... | 39·91 | 198 | 142 |
| D | Stonehouse (Wycliffe College) | T. M. Sibly, Esq. | 5 | 1 0 | 135 | 29·0 | 31·93 | 171 | 135 |

* *Per* Mid-Wessex Rainfall Association.
§ Turf wall round gauge.

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rain fall | 1946 Rain-fall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **GLOUCESTERSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3—SEVERN. Left Bank Tributaries.—(*contd.*).** | | | | | | | | |
| D | Miserden Park | Agent | 5 | 1 3 | 800 | ... | 43·38 | 196 | 152 |
| D | Whitminster (The Junction) | E. Perry, Esq., C.E. | 5 | 1 0 | 32 | ... | 35·19 | 186 | 145 |
| D | Haresfield Court | Miss Tidswell | 5 | 1 0 | 100 | 30·2 | 34·95 | 192 | 136 |
| D | Painswick (Verlands) | Lady Sleeman | 5 | 1 0 | 450 | ... | 37·88 | 169 | 133 |
| D | Harescombe Grange | Mrs. Stamford Hutton | 5 | 1 0 | 557 | 29·3 | 35·64 | 181 | 136 |
| D | Cranham (Woodside) | J. H. Edwards, Esq. | 5 | 1 5 | 650 | ... | 37·05 | 196 | 134 |
| D | Witcombe Reservoir | C. J. Scudamore, Esq., C.E. | 8 | 1 0 | 297 | 29·2 | 33·73 | 177 | 131 |
| D | Brockworth (The Kia) | Mrs. Grace Buckle | 5 | 1 4 | 220 | 27·1 | 31·85 | 159 | 125 |
| D | Gloucester (The Lannett) | R. H. Ellis, Esq. | 5 | 1 3 | 56 | 26·6 | 29·90 | 174 | 131 |
| D | Gloucester (Llanthony Lock) | H. J. Minett, Esq. | 5 | 1 2 | 39 | 25·4 | 29·92 | 190 | 131 |
| D | Gloucester (Maisemore Lock) | H. J. Minett, Esq. | 5 | 1 1 | 39 | 25·1 | 27·68 | 159 | 116 |
| D | Dowdeswell Reservoir | Chelt. & Glos. Water Bd. | 5 | 1 3 | 357 | 30·0 | 33·33 | 162 | 132 |
| D | Cheltenham (Hewletts Res.) | Chelt. & Glos. Water Bd. | 8 | 1 6 | 419 | 27·7 | 31·49 | 172 | 138 |
| D | Cheltenham (Sandford Mead) | Chelt. & Glos. Water Bd. | 5 | 2 4 | 210 | 26·3 | 29·89 | 169 | 132 |
| D | CHELTENHAM (Montpellier Gdns.) (+A) | Town Clerk | 5 | 1 0 | 214 | 26·5 | 28·50 | 165 | 123 |
| D | Tewkesbury Pumping Stn. | Chelt. & Glos. Water Bd. | 5 | 1 0 | 47 | 23·9 | 24·73 | 167 | 121 |
| | **4.—SEVERN. Upper Avon. 68 sq. mi.** | | | | | | | | |
| D | Blockley | Miss E. M. Richardson | 5 | 1 0 | 550 | 29·4 | 35·31 | 188 | 143 |
| d | Winchcombe (Sudeley Castle) | Major J. H. D. Brocklehurst | 5 | 1 0 | 357 | 29·8 | 32·85 | ... | 132 |
| D | Broadway (Buckland Manor) | Mr. J. Whiteley | 5 | 1 0 | 300 | 27·7 | 30·77 | 172 | 134 |
| D | Chipping Campden (Leysbourne) | Miss C. Sparling | 5 | 1 0 | 470 | ... | 32·42 | 202 | 141 |
| D | Campden (Research Station) | Director | 5 | 1 0 | 389 | ... | 29·54 | 172 | 132 |
| | **5.—LOWER AVON & C. 208 sq. mi.** | | | | | | | | |
| D | Bitton (Willesbridge Nurseries) | G. E. A. Richards, Esq. | 5 | 1 0 | 100 | ... | 35·39 | 164 | 138 |
| D | Bath (Monkswood Reservoir) | Bath Corporation W.W. | 5 | 1 0 | 365 | ... | 40·34 | 206 | 154 |
| D | Bristol (Hopewell Hill) | W. Gloucester Water Co. | 8 | 1 8 | 386 | 30·5 | 35·68 | 174 | 141 |
| D | Clifton (Oakfield Road) | A. M. Paterson, Esq., C.E. | 5 | 1 0 | 200 | 33·0 | 37·54 | 187 | 142 |
| | Bristol (St. Andrew's Park) | H. Vicars Webb, Esq. | 5 | 1 2 | 200 | 32·6 | 37·45 | 181 | 148 |
| D | Bristol (Stoke Paddocks Road) | Major E. J. Dunscombe | 5 | 1 6 | 90 | ... | 40·13 | 189 | 153 |
| D | Horfield | City Engineer, Bristol | 5 | 1 0 | 248 | ... | 38·16 | 180 | 149 |
| D | FRAMPTON COTTERELL (Park Ho.) | H. H. Harding, Esq. | 5 | 1 0 | 158 | 29·8 | 37·15 | 205 | 158 |
| D | Badminton Gardens | Head Gardener | 5 | 1 0 | 407 | ... | 43·68 | 191 | 156 |
| D | Shipton Moyne P.S. | W. Gloucester Water Co. | 5 | 1 0 | 312 | ... | 37·78 | 201 | 150 |
| D | Long Newnton | Mr. P. A. Day | 5 | 1 0 | 350 | ... | 32·91 | 188 | 141 |
| | **6.—THAMES. Right Bank Tributaries. 17 sq. mi.** | | | | | | | | |
| | **7.—THAMES. Windrush & c. 340 sq. mi.** | | | | | | | | |
| d | Fairford (Dunfield, Kempsford) | late A. T. Iles, Esq. | 5 | 1 0 | 260 | 25·6 | 29·82 | ... | ... |
| D | Lechdale (St. John's Lock) | Thames Conservancy | 5 | 1 7 | 237 | 24·3 | 29·76 | 200 | 138 |
| D | Lechdale (Claydon House) | Mrs. L. Metcalfe | 5 | 1 0 | 250 | 25·9 | 29·76 | 174 | 134 |
| D | Fairford (Draycott) | Miss F. A. Edmonds | 5 | 2 0 | 200 | ... | 32·96 | 181 | 142 |
| D | Cirencester (Waterton House) | Alex McIntyre, Esq. | 5 | 1 0 | 330 | ... | 37·37 | 179 | 137 |
| D | Cirencester (Somerford Road) | Nigel Woods, Esq. | 5 | 1 0 | 354 | 30·8 | 36·58 | 199 | 141 |
| D | Daglingworth Manor | Mr. D. W. Harvey | 8 | 0 10 | 450 | 32·2 | 42·36 | 204 | 144 |
| D | Bibury | late A. Severn, Esq. | 5 | 2 6 | ... | ... | 35·29 | 183 | 137 |
| d | Great Barrington | Mrs. R. E. Lazenby | 5 | 1 6 | 417 | 28·8 | 33·86 | ... | ... |
| D | LITTLE RISSINGTON | Meteorological Office | 5 | 1 0 | 731 | 29·4 | 35·23 | 187 | 142 |
| D | Andoversford (Hampen House) | Rear-Adm.J.S.Salmond,R.N. | 5 | 1 0 | 730 | ... | 34·35 | 164 | 135 |
| D | Bourton-on-Water (Chardwar) | late Miss A. B. Moore | 5 | 2 0 | 420 | 30·3 | 37·69 | 179 | 144 |

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **GLOUCESTERSHIRE**—(*contd.*). | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **THAMES. Windrush & c.**—(*contd.*). | | | | | | | | | |
| D | Stow-on-the-Wold (Icomb Place) | | Mr. H. Prestney | 8 | 1 6 | 500 | 29·3 | 37·50 | 182 | 155 |
| D | Oddington (Manor House) | | Miss E. Shedden | 5 | 1 0 | 430 | ... | 33·76 | 185 | 138 |
| D | Temple Guiting (Hyde) | | J. Donaldson Harwood, Esq. | 5 | 1 1 | 688 | ... | 35·84 | 190 | 145 |
| | **HEREFORDSHIRE.** (Area 840 sq. mi.) | | | | | | | | | |
| | **1.—WYE.** 685 sq. mi. | | | | | | | | | |
| D | Broad Oak (Glanmonnow House) | | Brig.-Gen. T. R. F. Bate, C.M.G. | 5 | 0 10 | 500 | ... | 37·25 | 218 | 140 |
| D | Llangarron (The Evan) | | Col. C. R. B. Owen | 5 | 1 3 | 256 | ... | 36·74 | 160 | 135 |
| | Walford (Hill Court Gardens) | | Mrs. G. R. Trafford | 5 | 1 1 | 126 | 28·4 | 34·24 | 165 | 129 |
| D | Ross-on-Wye | (+A) | F. J. Parsons, Mus.Bac.(M.O.) | 5 | 1 0 | 223 | 28·2 | 30·94 | 166 | 121 |
| D | Bridstow (Ashe Leigh) | | Major W. Stanley R. Cox | 5 | 1 6 | 220 | 27·4 | 32·07 | 180 | 134 |
| D | Ross (The Chantry) | | M. F. Maclean, Esq. | 5 | 1 0 | 475 | ... | 33·91 | 174 | 136 |
| D | Hoarwithy | | H. Satchell, Esq. | 5 | 1 0 | 146 | ... | 34·26 | 176 | 139 |
| D | Perrystone Court | | Lt.-Gen. Sir Sidney Clive | 5 | 1 3 | 450 | 25·5 | 34·64 | 197 | 137 |
| d | Much Dewchurch | | J. Holley, Esq.* | 5 | 1 0 | 220 | ... | 35·78 | 187 | 127 |
| D | Vowchurch (Ladywell House) | | A. S. Wood, Esq. | 5 | 1 0 | 400 | 34·9 | 41·35 | 192 | 139 |
| D | Hampton Bishop | | C. Langley, Esq.* | 5 | 1 0 | 145 | ... | 32·52 | 178 | 139 |
| d | Hereford (Belmont Abbey) | | The Abbot | 8 | 1 0 | 292 | 27·5 | 30·20 | ... | ... |
| D | Hereford (Breinton Court) | | Mrs. R. E. H. Baily | 5 | 1 0 | 238 | 25·9 | 32·21 | 208 | 140 |
| D | Hereford (Barton Road) | | Messrs. Chave & Jackson, Ld. | 5 | 1 3 | 187 | ... | 31·64 | 199 | 136 |
| D | Hereford (Lichfield Avenue) | | E. H. Morris, Esq. | 5 | 1 6 | 200 | ... | 31·90 | 185 | 131 |
| D | Dorstone (Oaklands) | | Robert Gray, Esq. | 5 | 1 0 | 486 | ... | 41·74 | 191 | 138 |
| D | Hereford (Lugwardine) | | Major O. G. S. Croft | 5 | 0 9 | 300 | ... | 31·84 | 166 | 128 |
| D | Credenhill | | Miss I. Whiting | 5 | 1 5 | 275 | 27·5 | 35·18 | 167 | 140 |
| D | Clifford School | | Headmaster | 5 | 1 7 | 490 | ... | 43·17 | 199 | 148 |
| D | Burghill (Hereford Co. Mental H.) | | Medical Superintendent | 5 | 1 0 | 300 | 26·3 | 32·12 | 173 | 129 |
| d | Ocle Pychard (Ocle Court) | | Mrs. Cresswell | 8 | 0 10 | 298 | 27·8 | 31·34 | ... | 134 |
| D | Weobley (Garnstone) | | Lt.-Col. R. H. H. Verdin | 5 | 1 2 | 442 | ... | 37·00 | 188 | 142 |
| D | Sarnesfield Grange | | Rev. W. Marshall | 5 | 1 5 | 400 | ... | 36·10 | 170 | 137 |
| d | Hope under Dinmore | | Messrs. Cadbury Bros. Ltd.* | 5 | 1 0 | 246 | 27·5 | 33·11 | 182 | 137 |
| D | Pembridge (Moor Court) | | Mrs. C. A. Benn | 5 | 1 8 | 400 | ... | 35·96 | 174 | 134 |
| D | Pembridge (Burton Court) | | Mrs. P. Clowes | 5 | 1 6 | 400 | 28·4 | 37·68 | 215 | 151 |
| d | Bromyard (Birchyfields) | | Lt.-Col. J. E. Knott, D.S.O. | 5 | 1 0 | 545 | ... | 33·86 | ... | 136 |
| | Lyonshall (Castle Weir) | | Col. H. R. Pettit | 5 | 1 0 | 475 | ... | 36·73 | ... | ... |
| | Lyonshall (The Whittern) | | R. H. Green, Esq. | 5 | 1 0 | 508 | ... | 40·58 | ... | ... |
| D | Kington (Hill Court) | | J. E. Barendt, Esq. | 5 | 0 9 | 595 | ... | 45·40 | 178 | 152 |
| D | Monkland Cottage | | Capt. N. J. Bengough | 5 | 1 3 | 300 | ... | 33·99 | 181 | 135 |
| D | Kimbolton (Grantsfield) | | Miss D. W. Hutchinson | 5 | 1 0 | 424 | 28·4 | 33·61 | 183 | 143 |
| D | Shobdon (Ty'n-y-Coed) | | Miss Woodhouse | 5 | 1 0 | 450 | ... | 38·15 | 190 | 143 |
| D | Presteigne (Middlemoor) | | A. M. Wilson, Esq. | 8 | 1 0 | 480 | 34·0 | 41·21 | 213 | 137 |
| | **SEVERN. Right Bank Tributaries.** 155 sq. mi. | | | | | | | | | |
| D | Newent (Kilcot) | | Forestry Commission | 8 | 1 0 | 300 | ... | 35·62 | 169 | 138 |
| d | Ledbury (Donnington Hall) | | Col. C. Spence-Colby, C.M.G. | 5 | 0 9 | 212 | ... | 28·35 | ... | 137 |
| D | Much Marcle (Hall Court) | | Mrs. J. J. S. Powell | 5 | 1 0 | 200 | ... | 31·25 | 171 | 131 |
| d | Little Marcle (School House) | | J. G. Waggett, Esq. | 5 | 1 0 | 139 | ... | 27·94 | 167 | 121 |
| | Ledbury (The Twerne) | | L. J. C. Riley, Esq. | 5 | 1 0 | 400 | ... | 34·65 | 237 | 151 |
| D | Colwall (The Downs) | | F. M. Day, Esq. | 5 | 1 0 | 500 | ... | 30·96 | 165 | 136 |

* *Per* River Wye Catchment Board.

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SHROPSHIRE. (Area, 1,343 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—MERSEY. Weaver. 27 sq. mi.** | | | | | | | | |
| D | Adderley (Raven House) | Mrs. Edmond Browne | 5 | 1 1 | 270 | ... | 33·25 | 196 | 131 |
| | **2.—DEE. 30 sq. mi.** | | | | | | | | |
| D | Whitchurch (Fenns Bank) | F. W. Sanders, Esq. | 8 | 1 0 | 271 | 27·1 | 31·25 | 201 | 151 |
| d | Overton (Sodylt Hall) | W. S. Corbett Lowe, Esq. | 5 | 3 0 | 273 | 29·7 | 35·80 | ... | 128 |
| | **3.—SEVERN. Right Bank Tributaries. 722 sq. mi.** | | | | | | | | |
| D | Bucknell Vicarage | Rev. W. A. Woodhouse | 5 | 1 0 | 480 | ... | 37·99 | 182 | 133 |
| d | Ludlow (Hill Crest) | C. B. Marston, Esq. | 5 | 1 6 | 350 | ... | 34·63 | ... | 126 |
| D | Bromfield (Oakly Park) | Head Gardener | 5 | 1 5 | 300 | 29·7 | 36·77 | 191 | 132 |
| D | Burwarton (Dingle Leys) | R. B. C. Edwards, Esq. | 5 | 0 11 | 730 | ... | 39·73 | 208 | 148 |
| D | Craven Arms (Westhope Cottage) | Mrs. L. S. Swinnerton Dyer | 5 | 0 11 | 610 | ... | 35·44 | 185 | 138 |
| d | Lydbury North (Totterton) | Major W. H. B. Whitaker | 5 | 1 6 | 700 | 30·8 | 37·22 | 175 | 143 |
| D | Bishops Castle (The Mount) | F. Lavender, Esq. | 5 | 1 0 | 735 | 31·0 | 31·39? | 182 | 135 |
| D | Church Stretton (Sewage Works) | A. Coupe, Esq. | 5 | 1 0 | 582 | 33·7 | 39·21 | 202 | 150 |
| D | Bridgnorth (Morville Hall) | Dr. W. J. S. Bythell | 5 | 1 5 | 320 | ... | 32·26 | 175 | 132 |
| D | Chirbury (Marrington Hall) | Col. C. S. Price-Davies | 5 | 1 0 | 490 | 29·5 | 32·82 | 168 | 142 |
| D | Church Stretton (Woolstaston) | A. M. Parry, Esq. | 5 | 1 3 | 745 | 31·9 | 44·99 | 170 | 142 |
| D | Shrewsbury (Frodesley Hall) | A. G. Fyshe, Esq. | 5 | 1 0 | 472 | ... | 35·70 | 197 | 127 |
| D | Cressage (Harnage Grange) | Col. G. P. Pollitt | 5 | 1 6 | 420 | ... | 32·36 | 189 | 131 |
| D | Worthen | Dr. D. M. Hunter | 5 | 1 0 | 395 | ... | 35·66 | 212 | 146 |
| D | Meole Brace Hall | J. B. Hoare, Esq. | 5 | 1 0 | 250 | ... | 28·39 | 179 | 117 |
| D | Shrewsbury (Beckbury House) | G. H. Horsfall, Esq. | 5 | 0 9 | 220 | 22·1 | 28·92 | 174 | 117 |
| D | Shrewsbury (Longden Road) | Capt. J. Deedes | 5 | 1 0 | 250 | ... | 30·38 | 186 | 127 |
| D | SHREWSBURY (Monkmoor) | Medical Officer of Health | 8 | 1 0 | 184 | ... | 29·04 | 187 | 121 |
| | **4.—SEVERN. Left Bank Tributaries. 564 sq. mi.** | | | | | | | | |
| D | Bridgnorth (Stanmore Hall) | The Hon. E. S. Hamilton-Russell | 5 | 1 0 | 297 | ... | 32·55 | 185 | 124 |
| D | Hilton (Pumping Station) | B. L. McMillan, Esq., C.E. | 5 | 1 0 | 168 | ... | 30·24 | 162 | 131 |
| D | Ackleton (The Folley) | H. J. Bath, Esq. | 5 | 1 0 | 230 | ... | 30·81 | 163 | 134 |
| D | Pattingham (Kingslow Hall) | R. Tildesley, Esq. | 5 | 1 0 | 300 | ... | 30·68 | 172 | 135 |
| | Shifnal (Ryton Rectory) | Rev. C. F. Ford | 5 | 1 1 | 270 | ... | (28·19) | ... | ... |
| D | Shifnal (Hatton Grange) | Head Gardener | 5 | 1 6 | 262 | 26·1 | 28·25 | 169 | 137 |
| D | Shifnal (Cosford W.W.) | B. L. McMillan, Esq. C.E. | 5 | 0 10 | 222 | ... | 29·18 | 172 | 129 |
| D | Wellington W.W. (Wrekin Res.) | The Surveyor | 5 | 1 4 | 478 | 25·7 | 38·09 | 153 | 126 |
| | Wellington (Allscott) | British Sugar Corpn., Ltd. | 5 | 0 9 | 200 | ... | 28·19 | ... | ... |
| D | Shrewsbury (Coton Hill) | Dr. M. Gepp | 5 | 1 0 | 190 | 22·1 | 26·83 | 152 | 116 |
| D | NEWPORT (Harper Adams Ag. Coll.) | Principal | 5 | 1 0 | 211 | 24·8 | 30·57 | 208 | 144 |
| D | SHAWBURY | Meteorological Office | 5 | 1 0 | 235 | ... | 28·82 | 170 | 121 |
| D | Newport (Chetwynd Park) | J. G. B. Borough, Esq. | 5 | 0 9 | 230 | 28·3 | 31·72 | 206 | 142 |
| d | Wem (Senior School) | Headmaster | 5 | 0 9 | 260 | ... | 29·29 | 158 | 136 |
| d | Cheswardine Hall | J. Donaldson-Hudson, Esq. | 5 | 1 6 | 530 | 29·1 | 35·30 | ... | 126 |
| D | OSWESTRY (Filter Beds) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 568 | ... | 39·05 | 203 | 158 |
| D | Oswestry (Llanforda Reservoir) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 702 | ... | 41·26 | 191 | 153 |
| D | Oswestry (Mount Res.) | J. E. Taylor, Esq., C.E. | 5 | 1 0 | 698 | 34·5 | 38·98 | 194 | 151 |
| D | Oswestry (Cross Street) | J. R. Mackavoy, Esq. | 5 | 1 0 | 398 | ... | 38·63 | 201 | 161 |
| D | Oswestry (Llwyn Terrace) (+A) | J. E. Taylor, Esq., C.E. | 5 | 1 0 | 430 | ... | 36·72 | 192 | 152 |
| D | Ellesmere College | J. W. Nankivell, Esq. | 5 | 1 0 | 320 | ... | 31·62 | 165 | 134 |

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **STAFFORDSHIRE. (Area, 1,166 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—MERSEY. Weaver. 50 sq. mi.** | | | | | | | | |
| D | Madeley Vicarage | Rev. W. Garner* | 5 | 1 0 | 350 | ... | 36·59 | 201 | 154 |
| D | Biddulph Grange | Secretary | 5 | 1 0 | 560 | 33·8 | 40·20 | 199 | 169 |
| | **2.—SEVERN. Left Bank Tributaries. 160 sq. mi.** | | | | | | | | |
| D | Kinver | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 152 | ... | 33·90 | 179 | 132 |
| d | Lye (Pumping Station) | G. P. Deeley, Esq. | 5 | 1 0 | 245 | ... | 33·86 | ... | 129 |
| D | Kinver (Prestwood) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 179 | ... | 31·14 | 165 | 130 |
| D | Kingswinford (Ashwood P.S.) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 207 | 24·9 | 32·20 | 183 | 138 |
| D | Wolverhptn. (Dimmingsdale W.W.) | B. L. McMillan, Esq., C.E. | 5 | 0 9 | 323 | ... | 30·72 | 181 | 133 |
| D | Wolverhptn. (West Park) | Dr. R. H. H. Jolly | 5 | 1 0 | 430 | 27·1 | 31·86 | 193 | 143 |
| D | Tettenhall Waterworks | B. L. McMillan, Esq., C.E. | 5 | 0 10 | 468 | ... | 31·93 | 186 | 140 |
| D | Shifnal (Weston Park) | Earl of Bradford | 5 | 1 6 | 400 | 27·3 | 29·15 | 198 | 140 |
| D | Norbury Junction | Canal Engineer, L.M. & S.R. | 5 | 1 0 | 331 | 28·0 | 34·25 | 184 | 148 |
| D | MARKET DRAYTON (Ches. J. San.) | Medical Superintendent | 5 | 1 0 | 581 | ... | 36·42 | 208 | 149 |
| D | Maer Hall Gardens | Miss Harrison, M.B.E. | 5 | 1 0 | 390 | 32·5 | 37·20 | 194 | 159 |
| | **3.—TRENT. Right Bank Tributaries. 513 sq. mi.** | | | | | | | | |
| D | Tividale (Sewage Disposal Works) | G. P. Deeley, Esq. | 5 | 1 0 | 432 | ... | 34·12 | 189 | 140 |
| D | West Bromwich (+A) | Borough Engineer | 8 | 1 7 | 543 | 26·2 | 33·69 | 186 | 142 |
| D | Tipton (Toll End S.W.) | The Manager | 5 | 1 0 | 400 | ... | 33·41 | 200 | 136 |
| D | Wednesbury (Ocker Hill) | Birmingham Canal Navigtn. | 5 | 1 0 | 476 | 26·6 | 32·99 | 188 | 138 |
| D | Walsall (Bescot Sewage Farm) | M. E. Habershon, Esq. | 5 | 0 11 | 376 | 26·9 | 34·16 | 190 | 144 |
| D | Darlaston (Sewage Works) | S. E. Hammonds, Esq. | 8 | 1 6 | 393 | ... | 30·84 | 178 | 137 |
| D | Willenhall Sewage Works | Engineer & Surveyor | 5 | 0 10 | 390 | ... | 29·99 | 189 | 140 |
| D | WALSALL (Dartmouth Av.) | J. C. W. Day, Esq. | 5 | 1 0 | 455 | ... | 32·32 | 180 | 138 |
| D | Aldridge (Bourne Vale) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 419 | 25·1 | 32·28 | 177 | 131 |
| D | OAKEN (Manor House) | A. J. Parkes, Esq., M.C. | 5 | 1 7 | 409 | ... | 32·68 | 188 | 142 |
| D | Shenstone (Little Hay) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 298 | ... | 33·82 | 184 | 137 |
| D | Bloxwich (Sneyd Res.) | Birmingham Canal Navgtn. | 5 | 1 0 | 507 | 25·5 | 33·72 | 180 | 151 |
| D | Pelsall (Goscote Sew. Wks.) | M. Habershon, Esq. | 5 | 1 0 | 435 | ... | 33·31 | 172 | 145 |
| D | Tamworth (Sewage Pumping Stn.) | K. Price, Esq. | 8 | 0 10 | 182 | ... | 31·30 | 185 | 133 |
| D | Brownhills (Sandhills) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 407 | ... | 35·54 | 188 | 142 |
| D | Chasetown | Cannock Chase Colliery, Ltd. | 5 | 1 0 | 508 | ... | 34·19 | 173 | 144 |
| D | Brewood (Slade Heath P.S.) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 340 | 24·9 | 31·10 | 164 | 136 |
| D | Hammerwich (Cannock Chase Res.) | Birmingham Canal Navgtn. | 5 | 1 0 | 475 | 25·3 | 33·58 | 193 | 134 |
| D | Whittington (Old Hall) | Mrs. S. A. Corn | 5 | 1 3 | 221 | ... | 32·54 | 163 | 124 |
| D | †Cannock (Longford Rd. Sew. W.)(+A) | Cannock U.D.C. | 5 | 1 0 | 400 | ... | 30·38? | 182 | 138 |
| D | Cannock (Heath Hayes Sew. Wks.) | Cannock U.D.C. | 5 | 1 0 | 530 | ... | 32·77 | 182 | 144 |
| D | Brewood (Belvide Reservoir) | Canal Engineer, L.M. & S.R. | 5 | 1 0 | 367 | ... | 33·54 | 199 | 141 |
| D | Elford | W. H. Haile, Esq., C.E. | 5 | 1 0 | 183 | ... | 28·16 | 162 | 123 |
| D | †Hednesford (Scout House) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 702 | ... | 36·72 | 202 | 155 |
| D | Rugeley (Longdon Lodge) | F. J. Dixon, Esq., C.B.E.‡ | 5 | 1 0 | 413 | 26·1 | 35·16 | 162 | 149 |
| D | Hednesford (Pye Green) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 768 | ... | 35·68 | 200 | 147 |
| D | Lichfield (Hanch Reservoir) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 259 | 26·9 | 33·73 | 194 | 132 |
| D | Alrewas (C.E. School) | Headmaster | 5 | 0 6 | 200 | ... | 30·87 | 168 | 129 |
| D | Rugeley (Slitting Mill) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 299 | ... | 33·82 | 190 | 145 |
| D | Rugeley (Brindley Bank) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 254 | 26·6 | 31·04 | 167 | 137 |
| D | Milford Waterworks | G. J. Plant, Esq. | 5 | 1 0 | 246 | 27·5 | 33·46 | 204 | 153 |
| D | Stafford (Newport Road) | J. C. Burne, Esq. | 5 | 1 0 | 250 | ... | 36·10 | 198 | 149 |
| D | Stafford (Victoria Pleasure Gnd.) | G. J. Plant, Esq. | 5 | 1 6 | 245 | 27·2 | 35·14 | 185 | 150 |
| D | Yarlet Hall | K. E. Tarling, Esq. | 5 | 1 0 | 405 | ... | 36·69 | 198 | 150 |

* *Per* Cheshire Rivers Catchment Board.

† Turf wall round gauge. ‡ *Per* S. Staffs. W.W. Co.

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with .01 in. or more | Days with .04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **STAFFORDSHIRE**—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—TRENT. Right Bank Tributaries.**—(*contd.*). | | | | | | | | |
| D | Eccleshall (Sugnall Hall) | C. E. Lowe, Esq. | 5 | 1 0 | 450 | ... | 37·57 | 193 | 159 |
| D | Standon (Hatton W.W.) | C. V. Brown, Esq., C.E. | 5 | 1 0 | 355 | 29·0 | 34·88 | 176 | 148 |
| D | Whitmore Pumping Station | L.M. & S. Rly. | 5 | 1 3 | 396 | ... | 34·04 | 166 | 141 |
| | **4.—TRENT. Left Bank Tributaries. 193 sq. mi.** | | | | | | | | |
| D | Hamstall Ridware (No. 1) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 214 | ... | 30·43 | 183 | 135 |
| D | Hamstall Ridware (No. 2) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 240 | ... | 31·07 | 183 | 136 |
| D | *Burton Reservoir | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 309 | 25·1 | 28·81 | 170 | 127 |
| D | Burton (Shobnall) | Messrs. Bass & Co., Ltd. | 5 | 1 0 | 157 | 24·6 | 30·16 | 220 | 137 |
| D | Burton-on-Trent (Outwoods) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 310 | ... | 32·22 | 196 | 141 |
| D | Burton (Borough Hospital) | Med. Officer of Health | 5 | 1 0 | 220 | ... | 31·61 | 195 | 133 |
| D | Blithfield Intake | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 273 | ... | 31·34 | 184 | 140 |
| D | Abbots Bromley (Port Fields) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 316 | ... | 32·85 | 182 | 144 |
| M | Newton (Booth) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 360 | ... | 33·60 | ... | ... |
| D | Kingston | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 420 | ... | 33·38 | 180 | 141 |
| M | Gratwich (Caverswall Farm) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 381 | ... | 35·06 | ... | ... |
| | Gratwich (Fradswell) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 450 | ... | 38·29 | ... | ... |
| M | Leigh (Middleton Green) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 597 | ... | 37·38 | ... | ... |
| | Leigh (Lane Farm) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 500 | ... | 37·64 | ... | ... |
| M | Fulford Manor | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 710 | ... | 37·67 | ... | ... |
| D | Draycott (Cresswell P.S.) | C. V. Brown, Esq., C.E. | 5 | 1 0 | 538 | ... | 39·18 | 195 | 163 |
| D | Longton (The Meir) | C. V. Brown, Esq., C.E. | 5 | 1 0 | 617 | 31·7 | 39·02 | 193 | 163 |
| M | Caverswall (Hardwick Farm) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 810 | ... | 38·96 | ... | ... |
| M | Longton (Hulme) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 710 | ... | 38·67 | ... | ... |
| D | Hanley Sewage Works | W. H. Makepeace, Esq. | 5 | 1 0 | 386 | ... | 34·68 | 197 | 160 |
| D | Werrington | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 860 | ... | 41·65 | 197 | 171 |
| D | Werrington (Wallmires P.S.) | Cheadle R.D.C. | 5 | 1 0 | 880 | ... | 42·48 | 218 | 167 |
| | **5.—TRENT. Dove. 250 sq. mi.** | | | | | | | | |
| D | Uttoxeter | Messrs.C.H.Elkes&Sons,Ltd. | 5 | 1 0 | 295 | ... | 36·30 | 183 | 141 |
| D | Rocester (Dove Leys) | late Sir Percival Heywood, Bt. | 5 | 1 0 | 350 | 33·5 | 38·70 | 186 | 155 |
| D | Oakamoor (Lightoaks) | M. A. Bolton, Esq. | 5 | 1 6 | 650 | 34·9 | 42·42 | 197 | 161 |
| M | Dilhorne (Richmoor Hill) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 919 | ... | 41·86 | ... | ... |
| D | Leek (Wall Grange P. Stn.) | C. V. Brown, Esq., C.E. | 5 | 1 0 | 456 | 34·7 | 40·72 | 201 | 160 |
| D | Leek (Moor Hill) | A. Y. Worthington, Esq. | 5 | 1 0 | 680 | 37·2 | 46·23 | 221 | 183 |
| D | Onecote (New Mixon Hay) | Staffs. War Ag. Ex. Com. | 5 | 1 0 | 1300 | ... | 48·77 | 208 | 167 |
| M | Leek (Withens, Upper Hulme) | J. A. Gilchrist, Esq. | 5 | 1 1 | 1084 | ... | 43·86 | ... | ... |
| | **WORCESTERSHIRE. (Area, 732 sq. mi.)** | | | | | | | | |
| | **1.—SEVERN. Right Bank Tributaries. 222 sq. mi.** | | | | | | | | |
| D | Upton-on-Severn (Berryfield Ho.) | Dr. W. V. Naish | 5 | 1 0 | 50 | ... | 29·29 | 170 | 138 |
| d | Malvern (British Camp Res.) | Malvern U.D.C. | 5 | 1 0 | 677 | 28·5 | 28·07 | 164 | 129 |
| D | Malvern Wells (White Lodge) | W. W. Boucher, Esq. | 5 | 1 0 | 500 | ... | 31·31 | 180 | 140 |
| D | Malvern (Gloucester House) | Rev. F. H. Fowler, M.A. | 5 | 1 4 | 400 | ... | 31·73 | 170 | 134 |
| D | MALVERN (Free Library) | Malvern U.D.C. | 5 | 1 0 | 380 | 27·6 | 30·55 | 156 | 131 |
| D | West Malvern | Malvern U.D.C. | 5 | 1 0 | 832 | 28·9 | 28·76 | 162 | 133 |
| D | Worcester (Diglis Lock) | H. J. Minett, Esq. | 5 | 1 0 | 49 | 24·7 | 28·81 | 178 | 136 |
| d | Shelsley Beauchamp | W. Lionel Moore, Esq. | 5 | 0 10 | 132 | ... | 34·55 | 160 | 131 |
| D | Ombersley (Holt Lock) | H. J. Minett, Esq. | 5 | 1 1 | 55 | 25·3 | 27·57 | 162 | 132 |

* Turf wall round gauge.

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WORCESTERSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—SEVERN. Right Bank Tributaries—(*contd.*).** | | | | | | | | |
| D | Stockton-on-Teme (Eardiston) | Lt.-Col. E. G. Wallace | 5 | 1 0 | 200 | 26·7 | 30·04 | 153 | 123 |
| | Stourport (Astley Towne House) | F. J. Neale, Esq. | 8 | 1 3 | 190 | ... | 32·47 | 218 | 130 |
| D | Tenbury (Belle View) | Miss M. M. Lowe | 5 | 1 0 | 315 | 26·3 | 32·20 | 171 | 126 |
| | **2.—SEVERN. Left Bank Tributaries. 200 sq. mi.** | | | | | | | | |
| D | Earl's Croome Court | Lady Barbara Smith | 5 | 1 6 | 75 | ... | 27·20 | 147 | 123 |
| D | Worcester (Waterworks) | City Engineer | 5 | 1 0 | 52 | 23·2 | 30·94 | 177 | 131 |
| D | Worcester (Perdiswell) | Horticultural Superintendent | 5 | 1 0 | 94 | ... | 30·89 | 166 | 133 |
| D | Worcester (Bevere Lock) | H. J. Minett, Esq. | 5 | 1 1 | 52 | 24·5 | 27·49 | 175 | 128 |
| D | Droitwich (Sewage Works) | Bor. Engineer & Surveyor | 5 | 1 0 | 106 | 25·4 | 28·57 | 170 | 121 |
| D | Bromsgrove (Tardebigge Res.) | E. Perry, Esq. | 5 | 1 0 | 455 | 27·5 | 34·30 | 187 | 151 |
| D | Bromsgrove (Sewage Disp. Wks.) | Bromsgrove U.D.C. | 5 | 1 0 | 280 | ... | 30·97 | 164 | 138 |
| D | Bromsgrove (Burcot P.S.) | F. H. Bullock, Esq. | 5 | 1 0 | 432 | ... | 31·81 | 166 | 137 |
| D | Barnt Green (Linthurst Road) | Miss M. Gibbins | 5 | 1 0 | 650 | ... | 34·98 | 196 | 138 |
| D | Stourport (Lincombe Lock) | H. J. Minett, Esq. | 5 | 1 0 | 62 | 25·6 | 32·54 | 161 | 128 |
| D | Bromsgrove (Washing Stocks P.S.) | F. H. Bullock, Esq. | 5 | 1 0 | 366 | ... | 30·20 | 163 | 131 |
| D | Bewdley (C.E. School) | J. Bates, Esq. | 8 | 1 0 | 70 | 26·4 | 33·63 | 180 | 136 |
| D | Kidderminster (Pumping Station) | Sanitary Inspector | 5 | 1 0 | 200 | ... | 31·78 | 142 | 119 |
| D | Kidderminster (Park Hall) | K. H. Wilson, Esq. | 5 | 1 0 | 200 | 25·7 | 32·68 | 156 | 128 |
| D | Bewdley (Elan Aqueduct) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 91 | 26·7 | 36·43 | 184 | 144 |
| D | Clent Hall | Miss H. M. Wilson | 5 | 1 0 | 600 | ... | 35·24 | 191 | 147 |
| d | Wolverley (Hill Ho.) | J. Christopher Wilson, Esq. | 5 | 0 8 | 250 | ... | 35·73 | ... | 134 |
| D | Halesowen (Romsley) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 616 | 30·6 | 38·52 | 169 | 143 |
| | Pedmore (Beckman Road) | A. Porter, Esq. | 5 | 1 0 | 415 | 26·5 | 34·29 | ... | ... |
| D | Stourbridge (Pumping Station) | G. P. Deeley, Esq. | 8 | 1 0 | 212 | 27·1 | 38·81 | 166 | 134 |
| D | Netherton (Lodge Farm Res.) | Birmingham Canal Navgtn. | 5 | 1 0 | 445 | ... | 34·17 | 172 | 143 |
| D | Dudley (Tipton Road) | F. H. Gibbons, Esq., C.E. | 8 | 1 0 | 584 | ... | 34·12 | 202 | 140 |
| | **3.—SEVERN. Upper Avon. 251 sq. mi.** | | | | | | | | |
| D | Bredon (Bredon House) | Col. M. F. Grant | 5 | 1 1 | 120 | 24·5 | 27·46 | 176 | 130 |
| D | Broadway (Farncombe) | F. J. E. Pratt, Esq. | 5 | 0 5 | 850 | ... | 30·42 | 173 | 133 |
| D | Little Comberton | L. Barrow, Esq., F.G.S. | 5 | 1 0 | 124 | ... | 28·17 | 158 | 128 |
| D | Evesham (Bengeworth) | Messrs. Ross Bros., Ltd. | 5 | 1 0 | 128 | 22·9 | 25·84 | 161 | 122 |
| D | Evesham Bretforton Manor) | H. Ashwin, Esq. | 5 | 0 11 | 130 | ... | 27·20 | 174 | 133 |
| D | Evesham (Sewage Works) | H. Parks, Esq. | 5 | 1 9 | 85 | 22·6 | 27·13 | 148 | 122 |
| D | Evesham (High St.) | N. A. Field, Esq. | 5 | 1 2 | 170 | ... | 27·07 | 172 | 125 |
| d | Evesham (Port Street) | Messrs. Craven & Co. | 5 | 1 0 | 72 | ... | 27·56 | ... | ... |
| D | Pershore (Three Springs) | C. A. Mumford, Esq. | 5 | 4 6 | 72 | ... | 25·66 | 153 | 123 |
| D | Crowle (Manor House) | Miss C. Moore | 5 | 1 0 | 116 | ... | 26·98 | 156 | 126 |
| | Alcester (Cookhill) | T. Barber, Esq. | 5 | 1 0 | 400 | 24·5 | 29·25 | 186 | ... |
| D | Redditch (Hewell Gardens) | Mr. F. Molyneux | 5 | 1 0 | 469 | 27·7 | 33·01 | 186 | 146 |
| D | Bromsgrove (Brockhill P.S.) | F. H. Bullock, Esq. | 5 | 1 0 | 439 | ... | 32·07 | 181 | 139 |
| D | Bromsgrove (Lr. Bittall Res.) | E. Perry, Esq. | 5 | 1 0 | 457 | ... | 35·01 | 183 | 145 |
| | **4.—THAMES. Windrush & c. 3 sq. mi.** | | | | | | | | |
| | **5.—TRENT. Right Bank Tributaries. 56 sq. mi.** | | | | | | | | |
| D | Northfield (Frankley Lodge Rd.) | Late A. A. Barnes, Esq., C.E. | 5 | 1 0 | 548 | ... | 34·35 | 194 | 141 |
| D | Oldbury (Barnford Hill Pk.) | Borough Surveyor | 5 | 0 9 | 607 | ... | 35·57 | 172 | 143 |
| d | Dudley (Bluecoat Sen. Sch.) | S. Wright, Esq. | 5 | 1 3 | 660 | ... | 35·91 | ... | ... |
| D | Dudley (Shavers End) No. 1 | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 745 | ... | 34·71 | 187 | 138 |

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WARWICKSHIRE. (Area, 944 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—SEVERN. Upper Avon. 640 sq. mi.** | | | | | | | | |
| d | Long Compton (Weston Park) | Mrs. H. A. Warriner | 8 | 1 0 | 510 | 26·5 | 30·80 | ... | 139 |
| D | SHIPSTON-ON-STOUR (Compton Scorp.) | A. W. Beecham, Esq. | 5 | 1 0 | 364 | ... | 27·45 | 183 | 131 |
| D | STRATFORD-ON-AVON (Drayton Manor) | Sir G. Stapledon, C.B.E. | 5 | 1 0 | 160 | ... | 27·30 | 166 | 130 |
| D | Stratford-on-Avon (Milcote) | P. C. Smart, Esq., C.E. | 5 | 1 6 | 122 | 23·6 | 27·16 | 159 | 125 |
| D | Stratford-on-Avon (Thurlaston) | Miss M. A. Everard | 5 | 1 0 | 135 | 24·2 | 27·32 | 185 | 129 |
| D | Bidford (Moor Hall) | E. H. Cubberley, Esq. | 5 | 1 0 | 125 | 24·0 | 26·70 | 174 | 124 |
| d | Temple Grafton Court | T. L. Lonsdale, Esq. | 8 | 1 3 | 270 | 24·8 | 27·28 | ... | 122 |
| D | Alcester (Ragley Hall) | Mr. A. W. Richards | 5 | 1 0 | 270 | 25·8 | 31·31 | 161 | 137 |
| D | Alcester (Arrowside) | J. B. Shewell, Esq. | 5 | 1 4 | 148 | ... | 28·01 | 172 | 127 |
| D | Ashorne (Victoria Cottage) | G. T. Osborn, Esq. | 5 | 1 0 | 160 | 24·7 | 26·47 | 167 | 122 |
| D | Stratford-on-Avon (Snitterfield) | P. C. Smart, Esq., C.E. | 5 | 1 6 | 274 | 25·2 | 28·34 | 152 | 128 |
| D | Alcester (The Pleck) | Miss C. E. Chapman | 5 | 0 10 | 250 | ... | 28·91 | 161 | 130 |
| D | Studley College | Headmistress | 5 | 0 9 | 256 | ... | 30·09 | 176 | 139 |
| D | Warwick (Mill Street) | Mr. H. F. Smale | 5 | 1 0 | 164 | 25·3 | 28·38 | 168 | 132 |
| D | Warwick (St. Nicholas Pk.) | R. Wormell, Esq., C.E. | 5 | 1 0 | 155 | ... | 30·99 | 186 | 146 |
| D | LEAMINGTON SPA (Pump Rm. Gdns.) | Medical Officer of Health | 8 | 1 0 | 163 | 24·0 | 29·38 | 171 | 135 |
| d | Warwick (Hatton) | Grand Union Canal Co. | 5 | 1 0 | 400 | ... | 29·93 | ... | ... |
| D | Leamington Spa (Woodland Grange) | H. M. Blenkinsop, Esq. | 8 | 1 0 | 200 | ... | 30·30 | 173 | 138 |
| D | Leek Wootton (The Lodge) | W. F. Mitchell, Esq. | 5 | 1 0 | 249 | ... | 30·78 | 181 | 134 |
| D | Dunchurch Hall | C. L. D. Fawcus, Esq. | 5 | 1 1 | 400 | ... | 28·06 | 170 | 131 |
| D | Dunchurch Lodge Gardens | Major H. S. Cayzer | 5 | 1 0 | 380 | 24·4 | 30·89 | 195 | 144 |
| D | Kenilworth (U.D.C. Offices) | Surveyor | 5 | 1 6 | 286 | ... | 29·67 | 159 | 128 |
| D | Kenilworth (HONILEY) | Meteorological Office | 5 | 0 11 | 427 | ... | 29·21 | 162 | 120 |
| D | Stretton-on-Dunsmore (Manor Ho.) | L. Lister-Kaye, Esq. | 5 | 1 0 | 280 | ... | 32·10 | 201 | 136 |
| D | Rugby (Bilton Grange) | Mr. L. W. Bass | 5 | 2 6 | 400 | ... | 28·75 | 180 | 131 |
| D | Rugby (Tower Road) | A. J. H. Scoggins, Esq. | 5 | 1 0 | 355 | ... | 28·85 | 148 | 126 |
| D | RUGBY (Lawrence Sheriff Sch.) | G. H. Thompson, Esq. | 5 | 1 0 | 385 | ... | 29·09 | 177 | 129 |
| D | Rugby (Avon W.W.) | W. H. Spicer, Esq., C.E. | 5 | 0 9 | 285 | ... | 28·39 | 182 | 130 |
| D | Ryton-on-Dunsmore (Ryton Ho.) | Mrs. Browett | 5 | 1 2 | 260 | 26·0 | 31·20 | 153 | 125 |
| D | Coventry (Whitley P.S.) | City Engineer, Coventry | 8 | 1 0 | 238 | ... | 28·89 | 180 | 132 |
| D | Coventry (Stoke) | W. R. Griffiths, Esq. | 5 | 1 0 | 267 | ... | 29·03 | 178 | 133 |
| D | COVENTRY (City Hospital) | Medical Officer of Health | 8 | 1 0 | 241 | 26·0 | 29·31 | 177 | 129 |
| D | Nuneaton (Bedworth Waterworks) | Waterworks Manager | 5 | 1 1 | 337 | ... | 32·22 | 176 | 128 |
| d | Astley Vicarage | Rev. I. F. H. Carr-Gregg | 5 | 1 0 | 440 | ... | 34·79 | 155 | 130 |
| | **2.—THAMES. Windrush & c. 2 sq. mi.** | | | | | | | | |
| | **3.—THAMES. Cherwell. 15 sq. mi.** | | | | | | | | |
| | **4.—TRENT. Right Bank Tributaries. 287 sq. mi.** | | | | | | | | |
| d | Earlswood (Fulford Hall) | J. H. Aston, Esq. | 8 | 1 2 | 500 | ... | 36·87 | ... | ... |
| D | Coventry (Balsall Common) | W. F. E. Seeley, Esq. | 5 | 1 8 | 380 | ... | 30·90 | 177 | 122 |
| D | Highters Heath Res. | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 517 | ... | 35·24 | 185 | 139 |
| D | Halesowen (Frankley) | C. A. Risbridger, Esq., C.E. | 5 | 0 10 | 571 | 30·7 | 33·91 | 195 | 140 |
| D | Northfield (Bartley Res. No. 1) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 600 | ... | 36·39 | 187 | 135 |
| D | Moseley (Cotton Lane) | U. A. Baker, Esq. | 5 | 1 0 | 500 | ... | 35·09 | 175 | 127 |
| D | Bartley (Bromwich Wood) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 611 | ... | 36·41 | 187 | 137 |
| d | Selly Oak (Weoley Hill) | Mrs. Neave | 8 | 1 6 | 550 | ... | 34·26 | ... | ... |
| D | Selly Oak (Frederick Rd.) | Mrs. E. H. Leonard | 5 | 1 0 | 540 | 29·2 | 36·26 | 192 | 138 |
| D | BIRMINGHAM (SPARKHILL) | D. H. Owen, Esq. | 5 | 1 0 | 425 | 28·1 | 34·70 | 176 | 132 |
| D | BIRMINGHAM (Edgbaston) | Midland Inst. (A. J. Kelley) | 8 | 1 0 | 535 | 26·5 | 35·50 | 179 | 140 |
| D | Birmingham (Rotton Park) | Birmingham Canal Navgtn. | 5 | 1 0 | 459 | ... | 30·97 | 171 | 131 |
| D | Birmingham (Stechford) | Birmingham Drainage Bd. | 5 | 1 3 | 302 | ... | 33·83 | 182 | 140 |
| D | Birmingham (Victoria Road) | D. M. Evans, Esq. | 5 | 1 0 | 469 | ... | 33·26 | 179 | 137 |

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WARWICKSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—TRENT. Right Bank Tributaries—(*contd.*).** | | | | | | | | |
| D | Birmingham (Saltley S.W.) | Birmingham Drainage Bd. | 5 | 1 0 | 292 | ... | 32·32 | 169 | 131 |
| D | Nuneaton (The Quarry) | Miss K. E. Smith | 5 | 1 0 | 321 | ... | 31·90 | 184 | 132 |
| D | Birmingham (Handsworth Pk.) (+A) | City Engineer | 8 | 1 4 | 424 | ... | 35·22 | 184 | 140 |
| D | Whitacre (Birmingham W.W.) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 269 | 26·0 | 32·43 | 171 | 130 |
| D | Birmingham (Erdington) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 442 | ... | 33·76 | 183 | 136 |
| D | B'gham (Erdington, Spring La.) (+A) | City Engineer | 8 | 1 0 | 386 | ... | 34·84 | 188 | 138 |
| D | Minworth Greaves | Birmingham Drainage Bd. | 5 | 1 6 | 276 | 24·3 | 29·46 | 181 | 127 |
| D | Nuneaton P.S. | R. C. Moon, Esq., C.E. | 5 | 1 3 | 269 | ... | 30·85 | 169 | 127 |
| D | Perry Barr Reservoir | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 515 | ... | 35·07 | 192 | 142 |
| D | Nuneaton (Hartshill Sewage Wks.) | R. C. Moon, Esq., C.E. | 5 | 1 2 | 288 | ... | 30·22 | 160 | 122 |
| D | Sutton Coldfield (The Park) | Borough Surveyor | 5 | 1 0 | 370 | 26·4 | 36·31 | 180 | 143 |

## DIVISION VII—NORTH MIDLAND COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **LEICESTERSHIRE. (Area, 824 sq. mi.)** | | | | | | | | |
| | **1.—SEVERN. Upper Avon. 41 sq. mi.** | | | | | | | | |
| d | South Kilworth (Stanford Res.) | W. H. Spicer, Esq., C.E. | 5 | 1 0 | 365 | ... | 32·13 | ... | ... |
| D | Welford (The Reservoir) | Grand Union Canal Co. | 5 | 2 0 | 430 | 25·1 | 28·92 | 196 | 135 |
| d | North Kilworth W.W. | Market Harborough U.D.C. | 5 | 1 0 | 490 | ... | 30·56 | ... | 129 |
| d | Lutterworth (Waterworks) | Surveyor | 8 | 1 9 | 414 | *24·8* | 30·15 | ... | 129 |
| | **2.—WELLAND. 96 sq. mi.** | | | | | | | | |
| D | Market Harboro' (Coventry Rd.) | G. C. Wooldridge, Esq. | 5 | 1 0 | 270 | ... | 31·90 | 194 | 134 |
| D | Market Harboro' (Shrewsbury Ave.) | P. J. Harris, Esq., B.Sc. | 5 | 1 0 | 356 | ... | 31·88 | 182 | 125 |
| D | Market Harboro' (Rose Hill) | Miss E. Nicholson | 5 | 1 0 | 350 | ... | 34·64 | 172 | 134 |
| D | Kibworth Harcourt | Major A. E. Briggs | 8 | 1 2 | 408 | ... | 31·07 | 173 | 145 |
| D | Rockingham (Caldecott) | Corby & District Water Co. | 8 | 1 3 | 180 | 23·8 | 28·33 | 187 | 136 |
| d | East Norton | late Mrs. F. A. Wortley | 5 | 1 0 | 460 | ... | 30·98 | ... | 120 |
| | **3.—WITHAM. 7 sq. mi.** | | | | | | | | |
| | **4.—TRENT. Right Bank Tributaries. 680 sq. mi.** | | | | | | | | |
| D | Frolesworth | W. P. Widdowson, Esq. | 5 | 1 0 | 370 | ... | 30·73 | 188 | 133 |
| D | Hinckley (Bowling Green Rd.) | S. Webster, Esq. | 5 | 1 0 | 400 | ... | 32·52 | 187 | 144 |
| D | Wistow Hall Gardens | The Lord Cottesloe, C.B. | 5 | 1 0 | 309 | 23·6 | 30·19 | 180 | 140 |
| D | Countesthorpe (Wigston Sew. Fm.) | Surveyor | 8 | 0 9 | 257 | 22·8 | 30·70 | 181 | 140 |
| D | Leicester (London Rd.) | L. Herbert, Esq. | 5 | 3 10 | 300 | ... | 31·73 | 164 | 128 |
| D | LEICESTER (County Hospital) | Medical Officer of Health | 5 | 1 0 | 325 | ... | 31·47 | 159 | 128 |
| D | *Leicester (Town Hall Square) | City Engineer | 5 | 1 0 | 212 | ... | 31·77 | 170 | 126 |
| D | †Leicester (The Towers Hosp.) | The Clerk and Steward | 8 | 1 0 | 266 | 24·2 | 35·42 | 177 | 126 |
| D | Leicester (Gilroes Cemetery) | City Engineer | 5 | 1 0 | 294 | ... | 34·27 | 154 | 137 |
| D | Lowesby Hall Gdns. | Head Gardener | 5 | 0 9 | 517 | 26·3 | 32·09 | 193 | 139 |
| D | Thornton Reservoir | Leicester W.W. | 8 | 1 2 | 370 | 26·2 | 33·89 | 173 | 143 |
| D | Cropston (Bradgate Res.) | Leicester W.W. | 8 | 1 0 | 245 | 27·2 | 32·29 | 203 | 136 |
| D | Barkby Hall | Victor R. Pochin, Esq. | 5 | 1 0 | 227 | 24·5 | 32·45 | 166 | 119 |
| D | Ulverscroft (Chitterman Ho.) | C. Booth, Esq. | 5 | 0 11 | 666 | ... | 36·70 | 198 | 145 |
| D | Netherseal (Chilcote) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 240 | ... | 30·11 | 171 | 132 |
| D | Rothley (West Lawn) | A. A. Ironside, Esq. | 5 | 0 10 | 240 | ... | 31·25 | 170 | 128 |
| D | Swithland (The Brand) | Leicester W.W. | 8 | 1 0 | 171 | 26·0 | 34·16 | 195 | 146 |

* Gauge oversheltered. † Formerly called City Mental Hospital.

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **LEICESTERSHIRE—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **4.—TRENT. Right Bank Tributaries—(*contd.*).** | | | | | | | | |
| D | Ashby-de-la-Zouch (Grammar Sch.) | The Headmistress ... ... | 5 | 0 10 | 450 | ... | 29·61 | 184 | 134 |
| D | Asfordby Hill (Ironworks) ... ... | Stanton Ironworks Co. Ltd. | 5 | 1 1 | 324 | *23·0* | 29·01 | 172 | 122 |
| D | Melton Mowbray (White Lodge) ... | H. K. Barker, Esq. ... | 8 | 1 6 | 237 | 22·9 | 33·26 | 182 | 129 |
| D | Charnwood For. (Blackbrook R.) ... | W. Granger, Esq., C.E. ... | 5 | 1 0 | 379 | 26·4 | 31·35 | 157 | 122 |
| D | Loughborough (Park Road) ... ... | W. Llewellyn Mold, Esq. ... | 5 | 1 0 | 190 | 23·7 | 31·10 | 161 | 127 |
| D | Loughborough (Nanpantan Res.)(+A) | W. Granger, Esq., C.E. ... | 5 | 1 0 | 269 | 26·1 | 33·38 | 179 | 131 |
| D | Loughborough (Fairmount Drive) ... | B. N. Wale, Esq., B.Sc. ... | 5 | 0 6 | 210 | ... | 30·34 | 183 | 126 |
| d | Loughborough (Sewage Farm) ... | W. Granger, Esq., C.E. ... | 8 | 1 0 | 135 | 23·1 | 31·73 | ... | 127 |
| D | Burton-on-Wolds (Burton Hall) ... | Earl of Huntingdon ... | 5 | 1 0 | 270 | 24·2 | 29·72 | 179 | 141 |
| D | Prestwold Hall Gardens ... ... | Mr. L. Brightwell ... ... | 8 | 1 0 | 209 | 24·7 | 30·24 | 168 | 130 |
| D | WYMESWOLD ... ... ... ... | Meteorological Office ... | 5 | 1 0 | 272 | ... | 28·12 | 168 | 121 |
| | Scalford ... ... ... ... ... | Melton Mowbray U.D.C. | 8 | 0 10 | 343 | ... | 33·32 | ... | ... |
| D | Waltham-on-the-Wolds ... ... | V. E. Higgens, Esq. ... | 5 | 1 0 | 560 | ... | 31·94 | 198 | 131 |
| | **RUTLAND. (Area, 152 sq. mi.)** | | | | | | | | |
| | **1.—WELLAND. 125 sq. mi.** | | | | | | | | |
| D | Ketton ... ... ... ... ... | Mrs. K. Burroughes ... | 5 | 1 0 | 106 | ... | 29·74 | 199 | 133 |
| | **2.—WITHAM. 5 sq. mi.** | | | | | | | | |
| | **3.—TRENT. Right Bank Tributaries. 22 sq. mi.** | | | | | | | | |
| | **LINCOLNSHIRE. (Area, 2,645 sq. mi.)** | | | | | | | | |
| | **1.—NENE. 99 sq. mi.** | | | | | | | | |
| D | Crowland ... ... ... ... | F. Husband-Clutton, Esq. M.R.C.S. ... ... ... | 5 | 1 0 | 10 | *21·9* | 22·74 | 146 | 121 |
| D | Tydd (North Level Sluice) ... | Mr. S. Watson ... ... | 5 | 1 0 | 10 | 23·3 | 28·16 | 199 | 128 |
| d | Sutton Bridge ... ... ... | R. Welland Catchment Bd. | 5 | 1 0 | 21 | ... | 26·78 | ... | ... |
| D | Spalding (Weston St. Mary) ... | R. Welland Catchment Bd. | 5 | 1 0 | 10 | ... | 22·45 | 137 | 111 |
| | **2.—WELLAND. 341 sq. mi.** | | | | | | | | |
| D | Market Deeping (Wilsthorpe) ... | F. J. Smith, Esq. ... ... | 8 | 1 0 | 51 | 20·9 | 28·06 | 162 | 120 |
| d | Barholm ... ... ... ... | W. Thurlby, Esq. ... ... | 5 | 1 2 | 45 | ... | 29·16 | ... | 118 |
| D | Deeping St. Nicholas ... ... | T. R. Pick, Esq. ... ... | 5 | 0 9 | 13 | ... | 26·53 | 148 | 123 |
| D | Spalding (Pode Hole) ... ... | Deeping Fen Drainage Trust | 8 | 1 3 | 12 | 23·5 | 27·09 | 183 | 119 |
| D | Spalding (Surveyors Depot) ... | Surveyor ... ... ... | 5 | 1 8 | 24 | ... | 25·82 | 169 | 115 |
| D | Bourne (Guthram) ... ... | L. I. Clark, Esq., C.E. ... | 5 | 1 0 | 3 | *21·1* | 27·55 | 156 | 119 |
| d | Whaplode (Irby Hall Farm) ... | T. R. Pick, Esq. ... ... | 5 | 0 10 | 11 | ... | 20·93 | ... | ... |
| D | Holbeach (Manor Farm) ... | F. H. Bowser, Esq. ... | 5 | 2 1 | 10 | ... | 22·93 | 169 | 121 |
| D | Spalding (Spalding Marsh) ... | Messrs. Seymour Cobley, Ltd. | 5 | 0 6 | 0 | *21·6* | 27·02 | 148 | 122 |
| D | Holbeach (Willow Tree Farm) | F. H. Bowser, Esq. ... | 5 | 2 1 | 10 | ... | 21·36 | 138 | 113 |
| | **3.—WITHAM & C. 1,085 sq. mi.** | | | | | | | | |
| d | Denton ... ... ... ... ... | Culverthorpe Dairy Fm. Ltd. | 5 | 1 6 | 300 | ... | 30·38 | ... | ... |
| D | Billingborough ... ... ... | N. Hodgkinson, Esq. ... | 5 | 0 10 | 50 | ... | 29·76 | 152 | 110 |
| D | Grantham (Saltersford P.S.) ... | Manager ... ... ... | 5 | 0 6 | 188 | *24·1* | 31·13 | 185 | 128 |
| D | Kirton (Agricultural Inst.) ... | Principal ... ... ... | 5 | 0 11 | 12 | ... | 24·74 | 166 | 112 |
| D | Kirton ... ... ... ... ... | Messrs.W.Dennis&Sons,Ltd. | 5 | 1 0 | 12 | ... | 25·68 | 182 | 118 |
| D | Wyberton (Tytton Hall) ... | L. I. Clark, Esq., C.E. ... | 5 | 1 0 | 10 | ... | 25·87 | 167 | 119 |

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **LINCOLNSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—WITHAM & C.—(*contd.*).** | | | | | | | | |
| d | Wyberton (Slippery Gowt Farm) | J. T. Cannon, Esq. | 5 | 1 0 | 10 | ... | 24·34 | ... | 110 |
| D | Boston (Black Sluice, Skirbeck) | F. H. Tomes, Esq. | 8 | 1 3 | 11 | 22·8 | 27·07 | 186 | 126 |
| D | Boston (Cooks Lock) | L. I. Clarke, Esq., C.E. | 5 | 1 7 | 11 | ... | 25·80 | 184 | 123 |
| D | Boston (Church Road P.S.) | Borough Surveyor | 5 | 1 0 | 8 | ... | 25·90 | 157 | 117 |
| D | Boston (Freiston Road) | N. H. Middlebrook, Esq. | 5 | 1 0 | 16 | ... | 25·71 | 186 | 119 |
| D | Boston (Grand Sluice) | F. H. Tomes, Esq. | 8 | 0 9 | 17 | *22·9* | 26·02 | 183 | 121 |
| D | Boston (Sibsey Road) | A. O. Scrivener, Esq. | 8 | 1 6 | 9 | ... | 23·45 | 161 | 115 |
| d | East Heckington | G. E. Buchner, Esq., C.E. | 5 | 1 0 | 16 | ... | 24·69 | ... | ... |
| D | Boston (Cowbridge) | G. E. Buchner, Esq., C.E. | 5 | 1 0 | 9 | ... | 26·21 | 173 | 120 |
| d | Old Leake (Leverton) | G. E. Buchner, Esq., C.E. | 5 | 1 3 | 10 | ... | 25·12 | 161 | 114 |
| D | Cranwell (Airfield) | (+A) Meteorological Office | 8 | 1 0 | 203 | 23·2 | 28·43 | 182 | 117 |
| d | Ruskington | B. E. Brighton, Esq. | 5 | 1 7 | 30 | ... | 27·25 | 150 | 118 |
| d | Sibsey (Ivydene) | J. T. Allewell, Esq. | 5 | 1 0 | 20 | ... | 27·58 | ... | ... |
| d | Wildmore | G. E. Buchner, Esq., C.E. | 5 | 1 0 | 12 | ... | 24·74 | 205 | 121 |
| D | New Leake (Lade Bank Engine) | G. E. Buchner, Esq., C.E. | 5 | 1 3 | 13 | *22·6* | 24·76 | 155 | 112 |
| D | Carrington Grange | T. J. Ward, Esq. | 5 | 4 0 | 15 | *23·4* | 31·48 | 179 | 150 |
| d | Wellingore (The Gardens) | A. Calder, Esq. | 5 | 2 0 | 260 | ... | 28·09 | ... | ... |
| d | Eastville (Station Farm) | G. A. Freeman, Esq. | 5 | 1 0 | 8 | ... | 26·77 | ... | ... |
| d | Carlton-le-Moorland | Mrs. J. Brocklebank | 5 | 1 2 | 50 | *23·3* | 28·40 | ... | 124 |
| D | Norton Disney (The Vicarage) | Rev. R. K. Roper | 5 | 1 0 | 49 | ... | 28·41 | 175 | 133 |
| D | East Kirkby (E. Kirkby Manor) | Capt. R. S. Fieldsend | 5 | 1 0 | 35 | *23·8* | 30·19 | 194 | 140 |
| d | Revesby Reservoir | D. H. Ball, Esq. | 5 | 2 0 | 124 | 24·5 | 27·71 | ... | 125 |
| D | Woodhall Spa (Waterworks) | Clerk to the Council | 5 | 1 6 | 45 | ... | 27·98 | 150 | 123 |
| D | Potterhanworth (Old Hall) | T. H. N. Battle, Esq. | 5 | 0 10 | 50 | ... | 29·85 | 188 | 131 |
| D | Horncastle | F. J. Harvey, Esq. | 5 | 1 0 | 120 | *24·8* | 31·21 | 194 | 133 |
| D | Lincoln (Swallowbeck) | W. R. Pennell, Esq. | 8 | 1 0 | 34 | *22·9* | 26·77 | 180 | 136 |
| D | Bardney (Sugar Factory) | British Sugar Corpn. Ltd. | 5 | 1 0 | 17 | ... | 29·88 | 185 | 131 |
| D | Lincoln | Medical Officer of Health | 5 | 1 0 | 45 | ... | 28·84 | 192 | 132 |
| D | Lincoln (Beaumont Fee) | Medical Officer of Health | 5 | 1 2 | 42 | ... | 28·87 | 193 | 132 |
| D | Lincoln (Skellingthorpe Hall) | Mrs. Bergne-Coupland | 5 | 1 0 | 40 | 23·1 | 27·15 | 194 | 137 |
| D | Lincoln (Eastbourne St.) | R. Osborne, Esq. | 8 | 1 0 | 51 | ... | 29·49 | 198 | 136 |
| D | Lincoln (Burton Rd.) | G. W. Valley, Esq. | 5 | 1 7 | 200 | ... | 30·68 | 190 | 142 |
| D | Sudbrooke (The Manor Ho.) | Miss A. M. Scorer | 5 | 1 0 | 55 | ... | 26·14 | 192 | 128 |
| D | Hackthorn Hall | Lt.-Col. W. Cracroft-Amcotts | 5 | 4 10 | 102 | *23·2* | 29·82 | 181 | 129 |
| | **4.—GREAT EAU & C. 443 sq. mi.** | | | | | | | | |
| d | Croft (Clough Farm) | J. L. Caudwell, Esq. | 5 | 4 0 | 10 | ... | 27·26 | ... | 123 |
| d | Wainfleet (Thorpe Culvert P.S.) | F. H. Tomes, Esq. | 5 | ... ... | 10 | ... | 27·85 | ... | 123 |
| D | Boston (Eastville) | G. E. Buchner, Esq., C.E. | 5 | 1 3 | 3 | ... | 26·34 | 186 | 120 |
| D | Firsby | G. E. Buchner, Esq., C.E. | 5 | 1 0 | 26 | ... | 28·59 | 187 | 133 |
| D | Skegness (Marine Gardens) | Surveyor | 8 | 1 0 | 15 | 23·3 | 27·43 | 174 | 121 |
| | Spilsby (Raithby Hall Gdns.) | Mr. E. Burgess | 5 | 1 1 | 200 | ... | 32·88 | ... | ... |
| D | Hagworthingham (Manor House) | W. W. Clark, Esq. | 5 | 1 0 | 200 | *27·2* | 29·73 | ... | 133 |
| D | Wold Newton Manor | W. Maurice Wright, Esq. | 5 | 1 6 | 230 | *27·2* | 33·39 | 204 | 146 |
| D | Grainthorpe Council School | Headmaster | 5 | 1 0 | 10 | ... | 27·08 | 179 | 122 |
| | **5.—HUMBER. Right Bank Tributaries. 428 sq. mi.** | | | | | | | | |
| D | Glentham (Bishopbridge) | A. R. Haynes, Esq. | 5 | 1 1 | 20 | ... | 30·14 | 183 | 130 |
| D | Brigg (Sugar Factory) | British Sugar Corp. Ltd. | 5 | 1 0 | 134 | ... | 30·09 | 180 | 131 |
| D | Brigg (Wrawby Road) | A. R. Haynes, Esq. | 5 | 1 1 | 22 | *24·8* | 31·85 | 179 | 133 |
| D | Cleethorpes (Kings Parade) | Engineer & Surveyor | 5 | 1 0 | 23 | *24·0* | 28·38 | 198 | 125 |
| D | Grimsby (Little Coates, P.S.) | Engineer & Manager | 5 | 1 0 | 14 | ... | 30·51 | 192 | 134 |
| D | Brocklesby Park | Head Gardener | 5 | 1 9 | 50 | *27·0* | 30·92 | 183 | 133 |

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **LINCOLNSHIRE—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **5.—HUMBER. Right Bank Tributaries—(*contd.*).** | | | | | | | | |
| D | HABROUGH (Home Farm) | R. F. Blakeborough, Esq. | 5 | 1 | 64 | ... | 30·30 | 197 | 127 |
| D | Immingham (Compressor Stn.) | Grimsby R.D.C. | 5 | 1 | 13 | ... | 26·96 | 185 | 116 |
| D | Normanby | Major E. C. R. Sheffield | 5 | 1 | 185 | ... | 28·72 | 190 | 130 |
| D | Ferriby Sluice | K. Straw, Esq. | 5 | 1 | 18 | *24·5* | 29·29 | 186 | 127 |
| | **6.—TRENT. Right Bank Tributaries. 172 sq. mi.** | | | | | | | | |
| D | Woolsthorpe | L. & N. E. Rly. Co. | 5 | 1 | 182 | *23·4* | 29·53 | 145 | 119 |
| D | Torksey (Pumping Station) | H. Heath, Esq. | 8 | 1 | 22 | *23·2* | 28·77 | 175 | 133 |
| d | Gate Burton Hall | The Hon. Mrs. Sandars | 5 | 4 | 97 | *23·1* | 28·89 | ... | 135 |
| D | Scunthorpe (Brumby Senior Sch.) | Headmaster | 5 | 2 | 100 | ... | 32·47 | 183 | 147 |
| | **7.—TRENT. Left Bank Tributaries. 77 sq. mi.** | | | | | | | | |
| D | West Butterwick (Croft House) | West Butterwick Drain. Bd. | 5 | ... | 20 | ... | 28·42 | 153 | 135 |
| d | Crowle (Wharf Road) | Crowle Drainage Board | 5 | 1 | 17 | ... | 25·00 | ... | ... |
| | **NOTTINGHAMSHIRE. (Area, 843 sq. mi.)** | | | | | | | | |
| | **1.—WITHAM. 10 sq. mi.** | | | | | | | | |
| | **2.—TRENT. Right Bank Tributaries. 218 sq. mi.** | | | | | | | | |
| D | SUTTON BONINGTON (Agric. Coll.) (+A) | Principal | 5 | 1 | 157 | 21·7 | 28·63 | 170 | 123 |
| D | Ruddington (Westlands) | J. D. Walker, Esq. | 5 | 1 | 100 | 24·3 | 26·82 | 180 | 122 |
| d | Nottingham (Wilford Hill Res.) | B. W. Davies, Esq., C.E. | 8 | 1 | 295 | 23·1 | 27·25 | 172 | 119 |
| D | Newark (The Friary) | J. H. Clarke, Esq., C.E. | 5 | 2 | 48 | 23·4 | 25·50 | 175 | 113 |
| D | Newark (Sewage Works) | J. H. Clarke, Esq., C.E. | 5 | 1 | 33 | ... | 23·98 | 162 | 107 |
| D | Kelham (Sugar Factory) | British Sugar Corpn. Ltd. | 5 | 1 | 40 | ... | 24·58 | 148 | 107 |
| | **3.—TRENT. Derwent. 2 sq. mi.** | | | | | | | | |
| | **4.—TRENT. Erewash. 42 sq. mi.** | | | | | | | | |
| D | Nottingham (Strelley) | Miss Edge | 8 | 1 | 396 | 26·2 | 30·16 | 204 | 129 |
| D | Nottingham (STRELLEY Hall) | Miss Edge | 5 | 1 | 378 | ... | 30·09 | 203 | 126 |
| D | Bulwell (Watnall Reservoir) | B. W. Davies, Esq., C.E. | 8 | 1 | 468 | 29·0 | 29·15 | 174 | 126 |
| D | Eastwood Waterworks | B. W. Davies, Esq., C.E. | 8 | 1 | 243 | 25·9 | 30·90 | 203 | 148 |
| D | Eastwood Hall | National Coal Board | 5 | 1 | 218 | ... | 30·78 | 195 | 147 |
| D | Eastwood (Moorgreen Res.) | L. & N. E. Rly Co. | 5 | 2 | 301 | 27·4 | 30·36 | 198 | 137 |
| | **5.—TRENT. Left Bank Tributaries. 569 sq. mi.** | | | | | | | | |
| d | Bramcote Reservoir | B. W. Davies, Esq., C.E. | 8 | 1 | 327 | ... | 29·31 | 185 | 134 |
| D | Nottingham (Sneinton P.S.) (+A) | R. M. Finch, Esq., C.E. | 8 | 1 | 83 | 22·5 | 28·54 | 163 | 120 |
| D | *NOTTINGHAM (The Castle) | R. M. Finch, Esq., C.E. | 8 | 1 | 192 | 23·6 | 28·36 | 187 | 119 |
| d | Nottingham (Colwick Sugar Fact.) | British Sugar Corpn. Ltd. | 5 | 0 | 9 | 70 | ... | 26·66 | 163 | 110 |
| d | Nottingham (Colwick Hill Res.) | B. W. Davies, Esq., C.E. | 8 | 1 | 0 | 314 | ... | 28·45 | 181 | 125 |
| d | Nottingham (Stoke Bardolph) | R. M. Finch, Esq., C.E. | 8 | 1 | 0 | 66 | 22·6 | 27·71 | 172 | 125 |
| D | Nottingham (Mapperley Hill) | Medical Superintendent | 8 | 1 | 0 | 400 | 24·9 | 31·14 | 167 | 128 |
| D | Nottingham (Basford W.W.) | B. W. Davies, Esq., C.E. | 8 | 1 | 0 | 168 | 24·0 | 30·65 | 192 | 130 |
| D | Burton Joyce Waterworks | B. W. Davies, Esq., C.E. | 8 | 1 | 0 | 65 | 25·2 | 28·56 | 187 | 132 |
| D | Nottingham (Mansfield Rd.) | Mrs. M. K. Darnbrough | 5 | 0 | 8 | 250 | ... | 33·05 | 206 | 135 |

* Exposure unorthodox in certain directions.

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NOTTINGHAMSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5—TRENT. Left Bank Tributaries.—(*contd.*).** | | | | | | | | |
| D | Nottingham (Woodthorpe) | A. B. Tinn, Esq., F.R.Met.S. | 5 | 1 0 | 225 | 24·0 | 32·49 | 204 | 129 |
| D | Bulwell (Bestwood W.W.) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 312 | 25·7 | 31·00 | 208 | 124 |
| d | Daybrook (Red Hill Reservoir) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 404 | 25·7 | (31·05) | (214) | (130) |
| D | Daybrook (Ramsdale Hill Res.) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 504 | 28·1 | 33·17 | 213 | 136 |
| D | Bulwell Hall Park | R. M. Finch, Esq., C.E. | 8 | 1 0 | 252 | 27·3 | 31·25 | 194 | 130 |
| D | Papplewick (Waterworks) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 317 | 26·5 | 32·00 | 191 | 135 |
| D | Southwell (The Nurseries) | H. Merryweather, Esq. | 5 | 1 0 | 125 | ... | 31·85 | 195 | 134 |
| D | Sutton-in-Ashfield (Rushley P.S.) | Messrs. G. & F. W. Hodson | 5 | 1 0 | 462 | 27·1 | 33·77 | 167 | 136 |
| D | Sutton-in-Ashfield (Sewage Wks.) (+A) | F. J. Grierson, Esq. | 5 | 1 0 | 456 | 28·9 | 33·80 | 195 | 139 |
| D | Mansfield (Rainworth W.W.) | F. C. Sylvester, Esq. | 5 | 0 8 | 349 | 26·8 | 32·72 | 189 | 133 |
| D | Bilsthorpe (Rufford P.S.) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 277 | ... | 32·01 | 178 | 134 |
| D | MANSFIELD (Carr Bank) | Borough Surveyor | 8 | 0 10 | 357 | 27·9 | 32·38 | 171 | 131 |
| D | Clipstone Waterworks | F. C. Sylvester, Esq. | 5 | 1 0 | 225 | 24·9 | 29·68 | 171 | 117 |
| D | Ollerton (Boughton W.W.) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 141 | 24·0 | 27·68 | 171 | 126 |
| D | Tuxford (Lound Hall) | Head Gardener | 5 | 1 6 | 50 | ... | 27·60 | 204 | 123 |
| D | Welbeck Abbey | Duke of Portland | 8 | 1 2 | 196 | ... | 31·39 | 200 | 125 |
| D | Clumber Gardens | National Trust | 5 | 1 6 | 150 | 25·5 | 30·84 | 188 | 130 |
| | Elkesley Pumping Station | Lincoln W.W. | 5 | 1 0 | 120 | 23·2 | 29·66 | ... | ... |
| D | Worksop (Bracebridge S.W.) | Borough Engineer | 8 | 1 0 | 97 | 23·9 | 30·77 | 193 | 136 |
| D | Worksop (Osberton Gardens) | Capt. R. H. Walker | 5 | 1 6 | 85 | 22·8 | 29·62 | 191 | 128 |
| D | Worksop (Sunnyside W.W.) | Borough Engineer | 8 | 1 0 | 245 | ... | 29·84 | 178 | 126 |
| D | Retford (Sir Frederick Milner School) | Headmaster | 5 | 3 6 | 55 | ... | 27·29 | 175 | 118 |
| D | Retford (Sewage Disposal Wks.) | Borough Surveyor | 5 | 1 0 | 74 | ... | 27·80 | 161 | 121 |
| D | Retford (Babworth Hall) | Maj.-Gen. Sir John Whitaker | 5 | 1 6 | 98 | 22·9 | 25·25 | 189 | 117 |
| D | Worksop (Wigthorpe Hill) | R. C. P. Ramsden, Esq. | 5 | 1 0 | 100 | 23·3 | 29·44 | 183 | 122 |
| d | Harworth Colliery | Messrs. Barber, Walker & Co. | 5 | 1 0 | 120 | 23·5 | 28·20 | ... | 131 |
| D | Gringley Carr Pumping Stn.† | G. H. Simmons, Esq. | 5 | 1 0 | 21 | ... | 28·88 | 201 | 132 |
| | **6.—OUSE. Don. 2 sq. mi.** | | | | | | | | |
| | **DERBYSHIRE. (Area, 1,017 sq. mi.)** | | | | | | | | |
| | **1.—MERSEY. UPPER. 93 sq. mi.** | | | | | | | | |
| M | §Buxton (Goyts Moss) | Stockport Corporation W.W. | 5 | 1 0 | 1410 | ... | 61·55 | ... | ... |
| M | Buxton (Cat and Fiddle Inn) | Stockport Corporation W.W. | 5 | 1 0 | 1610 | ... | 64·15 | ... | ... |
| M | §Buxton (Berry Clough) | Stockport Corporation W.W. | 5 | 1 0 | 1550 | ... | 62·80 | ... | ... |
| D | §Buxton (Goytsclough) | Stockport Corporation W.W. | 5 | 1 0 | 1175 | ... | 66·14 | 222 | 197 |
| D | §Buxton (Goytshead) | Stockport Corporation W.W. | 5 | 1 0 | 925 | ... | 61·33 | 221 | 191 |
| M | §Buxton (Longhill) | Stockport Corporation W.W. | 5 | 1 0 | 1390 | ... | 60·40 | ... | ... |
| M | Buxton (Embridge) | Stockport Corporation W.W. | 5 | 1 0 | 1430 | ... | 57·90 | ... | ... |
| D | §Fernilee (Upper Hall) | Stockport Corporation W.W. | 5 | 1 0 | 940 | ... | 52·82 | 217 | 190 |
| D | §Taxal (Oldfield) | Stockport Corporation W.W. | 5 | 1 0 | 820 | ... | 54·68 | 219 | 189 |
| M | §Taxal (Blackhillgate) | Stockport Corporation W.W. | 5 | 1 0 | 1190 | ... | 51·56 | ... | ... |
| D | Whaley Bridge (Todds Brook) | Mr. F. Bowden | 5 | 1 3 | 602 | 41·5 | 48·51 | 226 | 179 |
| | §Hayfield (Dimpus Clough) | Stockport Corporation W.W. | 5 | 1 0 | 1250 | ... | 50·88 | ... | ... |
| | §Hayfield (Upper Sett) | Stockport Corporation W.W. | 5 | 1 0 | 1420 | ... | 55·03 | ... | ... |
| M | §Hayfield (Oaken Clough) | Stockport Corporation W.W. | 5 | 1 0 | 1250 | ... | 50·89 | ... | ... |
| | §Hayfield (Tunstead Clough) | Stockport Corporation W.W. | 5 | 1 0 | 1125 | ... | 49·73 | ... | ... |
| | §Hayfield (Red Brook) | Stockport Corporation W.W. | 5 | 1 0 | 1950 | ... | 63·81 | ... | ... |
| | §Hayfield (Kinder Source) | Stockport Corporation W.W. | 5 | 1 0 | 2050 | ... | 66·55 | ... | ... |
| D | §Hayfield (Kinder Filters) | Stockport Corporation W.W. | 5 | 1 0 | 800 | ... | 52·17 | 220 | 185 |
| | §Hayfield (Upper Moor) | Stockport Corporation W.W. | 5 | 1 0 | 1280 | ... | 53·97 | ... | ... |

† Station formerly called Misterton (Soss P.S.). § Turf wall round gauge.

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **DERBYSHIRE.—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **1.—MERSEY. UPPER—(*contd.*).** | | | | | | | | |
| D | §Hayfield (Hollin Head) ... ... | Stockport Corporation W.W. | 5 | 1 0 | 950 | ... | 57·90 | 220 | 197 |
| | §Hayfield (Middle Moor) ... ... | Stockport Corporation W.W. | 5 | 1 0 | 1170 | ... | 52·04 | ... | ... |
| | §Hayfield (Sandy Heys) ... ... | Stockport Corporation W.W. | 5 | 1 0 | 2040 | ... | 64·16 | ... | ... |
| | §Hayfield (Leygatehead Moor)... ... | Stockport Corporation W.W. | 5 | 1 0 | 1530 | ... | 54·06 | ... | ... |
| | §Hayfield (Mill Hill) ... ... ... | Stockport Corporation W.W. | 5 | 1 0 | 1625 | ... | 54·23 | ... | ... |
| D | Glossop W.W. (Swineshaw) ... ... | Geo. Faulds, Esq., C.E. ... | 12 | 3 0 | 733 | 43·2 | 48·85 | 219 | 174 |
| | §Torside (Clough Edge) ... ... | Manchester Corp. W.W. ... | 5 | 1 0 | 1452 | 50·9 | 61·24 | ... | ... |
| | §Bleaklow Hill (Dowstone Rocks) ... | Manchester Corp. W.W. ... | 5 | 1 0 | 1718 | ... | 69·69 | ... | ... |
| | §Bleaklow Hill (Far Black Clough) ... | Manchester Corp. W.W. ... | 5 | 1 0 | 1683 | 56·7 | 67·39 | ... | ... |
| | **2.—MERSEY. Weaver. 2 sq. mi.** | | | | | | | | |
| D | Buxton (Portobello Bar) ... ... | Borough Engineer ... ... | 8 | 1 0 | 1600 | 55·9 | 60·12 | 243 | 198 |
| | **3.—TRENT. Right Bank Tributaries. 68 sq. mi.** | | | | | | | | |
| d | Church Gresley (Maurice Lea Pk.) ... | Swadlincote U.D.C. ... | 5 | 1 0 | 400 | ... | 29·02 | ... | 130 |
| d | Repton (Greenshot) ... ... ... | Miss M. W. Bromley ... | 5 | 0 11 | 230 | ... | 29·15 | ... | 129 |
| D | Stanton-by-Bridge W.W. ... ... | H. Raven, Esq., C.E. ... | 8 | 1 2 | 144 | 24·2 | 29·65 | 197 | 136 |
| | **4.—TRENT. Dove. 156 sq. mi.** | | | | | | | | |
| D | Rodsley Pumping Station ... ... | Engineer ... ... ... | 5 | 1 0 | 415 | ... | 35·54 | 214 | 158 |
| | **5.—TRENT. Left Bank Tributaries. 84 sq. mi.** | | | | | | | | |
| D | Etwall (Blakeley Lodge) ... ... | C. H. Hawley, Esq. ... | 5 | 1 4 | 189 | 24·1 | 29·72 | 186 | 142 |
| D | Etwall (Sewage Farm) ... ... ... | Bor. Engineer & Surveyor | 5 | 1 8 | 201 | 25·2 | 30·25 | 186 | 131 |
| D | Mickleover (C. Mental Hospital) ... | Medical Superintendent ... | 5 | 0 9 | 320 | 24·4 | 30·98 | 178 | 134 |
| D | Chesterfield (Whaley Well) ... ... | C. Boldry, Esq. ... ... | 8 | ... ... | ... | ... | 30·83 | 212 | 136 |
| | **6.—TRENT. Derwent. 426 sq. mi.** | | | | | | | | |
| D | Spondon (Derby Sewage Works) ... | Borough Engineer, Derby | 5 | 1 3 | 135 | 25·5 | 27·50 | 173 | 129 |
| D | Derby (Park Grove) ... ... ... | Messrs J. Davis & Son, Ltd. | 5 | 1 0 | 198 | ... | 29·95 | 181 | 133 |
| D | Derby (Royal Infirmary) ... ... | A. Taylor, Esq. ... ... | 5 | 1 0 | 211 | 26·3 | 31·95 | 176 | 155 |
| D | Derby (The Arboretum) ... ... | Borough Engineer ... ... | 5 | 1 0 | 196 | 26·2 | 32·72 | 174 | 132 |
| D | Derby (Heyworth Street) ... ... | Rev. Canon F. L. Shaw ... | 5 | 1 6 | 240 | ... | 33·07 | 196 | 146 |
| D | Derby (Markeaton Park) ... ... | Borough Engineer ... ... | 5 | 1 6 | 190 | ... | 31·36 | 186 | 139 |
| D | Breadsall (Smalley Road) ... ... | C. H. D. Ham, Esq. ... | 5 | 1 0 | 280 | ... | 28·82 | 174 | 132 |
| D | Breadsall Priory ... ... ... | E. S. Haslam, Esq. ... | 5 | 1 6 | 370 | ... | 30·71 | 163 | 131 |
| D | Duffield (The Kirkstyles) ... ... | Messrs J. Davis & Son, Ltd. | 5 | 1 0 | 235 | 28·3 | 35·49 | 187 | 156 |
| d | Heanor (Denby) ... ... ... | late J. R. Groom, Esq. ... | 5 | 1 0 | 440 | ... | 33·85 | ... | ... |
| d | Ambergate Reservoir ... No. 61 | Derwent Valley Water Bd. | 5 | 1 0 | 680 | ... | 37·98 | ... | ... |
| D | Whatstandwell (Meerbrk. Sough) ... | Messrs G. & F. W. Hodson | 5 | 1 0 | 246 | 33·6 | 38·85 | 160 | 143 |
| D | Brackenfield (Lindway Res.) ... ... | F. P. Walters, Esq. ... | 5 | 1 6 | 595 | 31·9 | 37·55 | 182 | 154 |
| | Higham (Higham Cliffe) ... ... | G. R. Jackson, Esq. ... | 5 | 0 7 | 500 | ... | 36·84 | ... | ... |
| D | Bakewell (Ashford Road) ... ... | Miss P. M. Rhodes... ... | 5 | 0 10 | 500 | 33·1 | 42·18 | 231 | 147 |
| D | Clay Cross (Press Reservoirs) ... | D. S. Cuthill, Esq. ... ... | 8 | 1 0 | 810 | 31·7 | 40·42 | 197 | 142 |
| M | Buxton (Hurdlow Top) ... ... | L.M. & S. Rly. Co. ... | 8 | 1 10 | 1267 | ... | 69·00 | ... | ... |
| D | Chatsworth Gardens ... ... ... | Head Gardener ... ... | 5 | 1 0 | 436 | 34·7 | 40·29 | 208 | 155 |
| D | Baslow (School Lane) ... ... ... | Mr. D. Lewis ... ... | 5 | 1 6 | 425 | 34·5 | 40·59 | 198 | 154 |
| D | Buxton (Stanley Moor) ... ... | Borough Engineer ... ... | 8 | 1 0 | 1340 | 52·1 | 56·89 | 243 | 197 |
| D | Buxton (Burbage Edge) ... ... | Borough Engineer ... ... | 8 | 1 0 | 1400 | 52·8 | 58·74 | 243 | 195 |
| D | Buxton (Ashwood Dale S.W). ... | A. Thomas, Esq. ... ... | 5 | 3 0 | 1010 | ... | 61·43 | 221 | 188 |

§ Turf wall round gauge.

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **DERBYSHIRE—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **6.—TRENT. Derwent—(*contd.*)** | | | | | | | | |
| D | BUXTON (Terrace Slopes) | Town Clerk | 8 | 1 0 | 1007 | 48·4 | 59·79 | 228 | 187 |
| D | *Buxton (Lightwood) | Borough Engineer | 8 | 0 11 | 1191 | ... | 60·10 | 237 | 192 |
| D | Bamford (Engineer's Office) | No. 60 Derwent Valley Water Bd. | 8 | 1 0 | 509 | 37·8 | 49·18 | 217 | 170 |
| D | Bamford Filters | No. 70A Derwent Valley Water Bd. | 8 | 1 0 | 660 | 39·1 | 49·98 | 205 | 167 |
| D | Holmesfield (Barbrook Res.) | D. S. Cuthill, Esq. | 8 | 1 0 | 1080 | 35·6 | 49·68 | 240 | 175 |
| | Holmesfield (White Edge) | Sheffield Corporation W.W. | 5 | 1 0 | 1209 | ... | 47·69 | ... | ... |
| D | Burbage (Lower Burbage) | (+A) Sheffield Corporation W.W. | 8 | 1 0 | 924 | 36·2 | 44·60 | 218 | 157 |
| D | Hope (Cement Works) | Messrs. G. & T. Earle Ltd. | 5 | 1 0 | 580 | ... | 49·89 | 210 | 172 |
| D | Hope (Killhill Bridge) | No. 56 Derwent Valley Water Bd. | 5 | 0 9 | 565 | 40·4 | 48·99 | 222 | 185 |
| M | Mam Nick | No. 98 Derwent Valley Water Bd. | 5 | 1 0 | 1368 | ... | 54·91 | ... | ... |
| M | Dalehead | No. 97 Derwent Valley Water Bd. | 5 | 1 0 | 1030 | ... | 58·32 | ... | ... |
| | Stanage (Redmires) | Sheffield Corporation W.W. | 5 | 1 0 | 1395 | 41·7 | 56·21 | ... | ... |
| d | Bamford (Yorkshire Br. Weir) | 59B Derwent Valley Water Bd. | 5 | 1 0 | 560 | 36·7 | 50·07 | 225 | 171 |
| | Grain Clough | No. 96A Derwent Valley Water Bd. | 5 | 1 0 | 999 | ... | 55·09 | ... | ... |
| d | Edale Mill | No. 84 Derwent Valley Water Bd. | 5 | 1 0 | 725 | ... | 57·32 | ... | ... |
| M | Upper Booth | No. 85 Derwent Valley Water Bd. | 5 | 1 0 | 950 | ... | 56·18 | ... | ... |
| M | Jacob's Ladder | No. 96 Derwent Valley Water Bd. | 5 | 1 0 | 1115 | ... | 61·14 | ... | ... |
| | Edale End | No. 83 Derwent Valley Water Bd. | 5 | 1 0 | 632 | ... | 54·10 | ... | ... |
| M | Grindslow | No. 94 Derwent Valley Water Bd. | 5 | 1 0 | 940 | ... | 60·14 | ... | ... |
| | Crook Hill | No. 92 Derwent Valley Water Bd. | 5 | 1 0 | 1100 | ... | 55·24 | ... | ... |
| | Ladybower | No. 73 Derwent Valley Water Bd. | 5 | 1 0 | 985 | ... | 56·01 | ... | ... |
| W | Grimbocar | No. 90 Derwent Valley Water Bd. | 5 | 1 0 | 700 | ... | 59·05 | ... | ... |
| M | Nether Moor | No. 93 Derwent Valley Water Bd. | 5 | 1 0 | 1460 | ... | 66·56 | ... | ... |
| M | Hagg Farm | No. 81 Derwent Valley Water Bd. | 8 | 1 0 | 700 | ... | 60·41 | ... | ... |
| M | §Blackden Brook | No. 89 Derwent Valley Water Bd. | 5 | 1 0 | 1070 | ... | 70·97 | ... | ... |
| D | R. Ashop (Weir) | No. 80A Derwent Valley Water Bd. | 5 | 1 0 | 795 | ... | 69·38 | 234 | 200 |
| D | Fairholmes (Nursery) | No. 26A Derwent Valley Water Bd. | 5 | 1 0 | 685 | 42·8 | 59·82 | 231 | 195 |
| M | Nether Seal Clough | No. 79B Derwent Valley Water Bd. | 5 | 1 0 | 1320 | ... | 69·52 | ... | ... |
| § | Nether Red Clough | No. 78 Derwent Valley Water Bd. | 5 | 1 0 | 1370 | ... | 66·95 | ... | ... |
| W | Mill Brook | No. 91 Derwent Valley Water Bd. | 5 | 1 0 | 770 | ... | 58·77 | ... | ... |
| M | §Ashop Head | No. 43A Derwent Valley Water Bd. | 5 | 1 0 | 1670 | ... | 66·46 | ... | ... |
| M | Ouzleden Clough | No. 75 Derwent Valley Water Bd. | 5 | 1 0 | 885 | ... | 62·32 | ... | ... |
| M | §Urchin Clough | No. 88 Derwent Valley Water Bd. | 5 | 1 0 | 1190 | ... | 66·50 | ... | ... |
| M | Alport Moor (Alport Castles) | No. 82 Derwent Valley Water Bd. | 5 | 1 0 | 975 | ... | 65·28 | ... | ... |
| W | Derwent Dale (Birchinlee) | No. 23 Derwent Valley Water Bd. | 8 | 1 0 | 890 | 50·3 | 61·49 | ... | ... |
| M | §Lady Clough Moor | No. 41B Derwent Valley Water Bd. | 5 | 1 0 | 1720 | ... | 71·32 | ... | ... |
| M | §Featherbed Top | No. 77 Derwent Valley Water Bd. | 5 | 1 0 | 1665 | ... | 67·38 | ... | ... |
| D | Derwent Dale (Howden Dam) | 17 Derwent Valley Water Bd. | 8 | 1 0 | 845 | 47·7 | 60·49 | 240 | 184 |
| W | §Derwent Dale (Ridge Farm) | 13A Derwent Valley Water Bd. | 5 | 1 0 | 883 | 52·4 | 64·94 | ... | ... |
| M | Westend Moor (Blacklow Cote) | 15A Derwent Valley Water Bd. | 5 | 1 0 | 970 | 51·3 | 64·02 | ... | ... |
| M§ | Alport Moor | No. 38B Derwent Valley Water Bd. | 5 | 1 0 | 1790 | ... | 77·67 | ... | ... |
| M | Deep Grain | No. 74 Derwent Valley Water Bd. | 5 | 1 0 | 1360 | ... | 72·68 | ... | ... |
| W | Derwent Dale (Slippery Stones) | 62 Derwent Valley Water Bd. | 5 | 1 0 | 908 | 49·4 | 63·09 | ... | ... |
| M | Ronksley Moor | No. 86 Derwent Valley Water Bd. | 5 | 1 0 | 1660 | ... | 71·93 | ... | ... |
| M | Broadhead Clough | No. 63 Derwent Valley Water Bd. | 5 | 1 0 | 1010 | 52·8 | 65·65 | ... | ... |
| M | Barrow Clough | No. 71 Derwent Valley Water Bd. | 5 | 1 0 | 1330 | ... | 73·42 | ... | ... |
| | **7.—TRENT. Erewash. 50 sq. mi.** | | | | | | | | |
| D | Long Eaton (Town Hall) | H. Raven, Esq., C.E. | 8 | 0 10 | 105 | 23·4 | 27·48 | 189 | 127 |
| d | Ilkeston (New Stanton) | Stanton Ironworks Co., Ltd. | 5 | 1 0 | 150 | ... | 27·84 | ... | ... |
| D | Ilkeston (Sewage Works) | Borough Surveyor | 5 | 1 11 | 132 | ... | 27·94 | 166 | 118 |
| D | Codnor Park | L.M. & S. Rly. Co. | 5 | 1 0 | 243 | ... | 34·19 | 222 | 146 |

* Exposure unorthodox. § Turf wall round gauge.

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with .01 in. or more | Days with .04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **DERBYSHIRE—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **8.—OUSE. Don. 138 sq. mi.** | | | | | | | | |
| M | Chesterfield (Hunger Hill) | A. Boothman, Esq., C.E. | 5 | 1 0 | 643 | 33·6 | 42·47 | ... | ... |
| D | Chesterfield (Whispering Well) | A. Boothman, Esq., C.E. | 5 | 1 0 | 575 | 32·5 | 41·95 | 212 | 144 |
| D | Chesterfield (Linacre Res.) | A. Boothman, Esq., C.E. | 5 | 1 0 | 475 | 31·6 | 40·20 | 197 | 147 |
| M | Chesterfield (Upper Linacre) | A. Boothman, Esq., C.E. | 5 | 1 0 | 600 | 32·1 | 40·29 | ... | ... |
| D | Chesterfield (Sewage Works) | Manager | 5 | 1 0 | 225 | 24·9 | 33·43 | 166 | 136 |
| D | Chesterfield (Crowhole Res.) | D. S. Cuthill, Esq. | 5 | 1 0 | 605 | 31·1 | 37·84 | 187 | 143 |
| D | Horsely Gate | Miss E. Wilson | 5 | 1 0 | 650 | ... | 45·04 | 197 | 160 |
| D | Spinkhill (Mt. St. Mary's College) | Rev. C. Baillon, S.J. | 5 | 1 0 | 340 | ... | 31·80 | 185 | 125 |

## DIVISION VIII—NORTH-WESTERN COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **CHESHIRE. (Area, 1,014 sq. mi.)** | | | | | | | | |
| | **1.—MERSEY. UPPER. 187 sq. mi.** | | | | | | | | |
| D | Langley (Twelve Ashes) | J. H. Dossett, Esq. | 6 | 0 9 | 903 | ... | 50·24 | 218 | 181 |
| D | Langley (Trentabank Res.) (+A) | J. H. Dossett, Esq. | 6 | 0 9 | 854 | ... | 49·93 | 218 | 182 |
| D | Langley (Bottoms Res.) | J. H. Dossett, Esq. | 6 | 0 9 | 659 | 38·5 | 45·45 | 213 | 173 |
| D | Macclesfield (Leadbeaters Res.) | J. H. Dossett, Esq. | 5 | 1 0 | 608 | ... | 40·27 | 209 | 170 |
| D | MACCLESFIELD (West Park) | J. H. Dossett, Esq. | 5 | 1 0 | 500 | 34·1 | 43·85 | 214 | 175 |
| D | Macclesfield (Whirley) | W. H. Lomas, Esq. | 5 | 1 1 | 495 | ... | 40·74 | 176 | 153 |
| d | Rainow (The Clough) | Miss Anna Neave | 5 | 1 3 | 815 | 34·4 | 42·12 | 210 | 169 |
| D | Prestbury (Sewage Works) (+A) | F. T. Hambleton, Esq.* | 5 | 1 0 | 320 | ... | 37·75 | 203 | 160 |
| | Knutsford (The Sycamores) | H. P. Ashworth, Esq. | 5 | 1 0 | 213 | 30·3 | 37·20 | ... | ... |
| D | Adlington (Styperson House) (+A) | E. Morton, Esq.** | 5 | 1 0 | 500 | ... | 38·08 | 198 | 161 |
| D | Disley (Lyme Park) (A) | Stockport Corporation W.W. | 5 | 1 0 | 674 | ... | 42·94 | 215 | 164 |
| D | Disley (Lyme Park) (B) | Stockport Corporation W.W. | 5 | 1 0 | 720 | ... | 41·84 | 215 | 163 |
| D | Disley (Higher Stoneridge) | Stockport Corporation W.W. | 5 | 1 0 | 750 | ... | 44·59 | 215 | 169 |
| D | Runcorn (Weston Point) | Weaver Navigation Trustees | 8 | 1 3 | 30 | 31·3 | 34·45 | 195 | 154 |
| D | Appleton Reservoir (+A) | Warrington W.W. | 5 | 1 0 | 120 | ... | 36·91 | 207 | 155 |
| D | Moore (Uplands) | Lt.-Com. G. K. Rylands, R.N., J.P. | 5 | 1 0 | 120 | ... | 35·02 | 205 | 155 |
| D | MANCHESTER (RINGWAY) | Meteorological Office | 5 | 1 0 | 235 | ... | 36·93 | 200 | 155 |
| D | Altrincham (Norman's Pl.) | Miss G. A. Griffiths | 5 | 1 0 | 150 | ... | 36·53 | 204 | 150 |
| D | Dunham Massey (Sewage Works) (+A) | Bucklow R.D.C.* | 5 | 1 0 | 55 | ... | 34·97 | 202 | 163 |
| | Cheadle (Adswood) | R. W. Wright, Esq. | 5 | 1 0 | 186 | ... | 33·14 | ... | ... |
| D | Stockport (Isolation Hospital) | Medical Officer of Health | 5 | 1 3 | 285 | ... | 33·32 | 204 | 154 |
| D | Timperley (Bloomsbury Lane) | P. Newton, Esq. | 5 | 1 0 | 98 | ... | 35·77 | 190 | 146 |
| D | Stockport (Sewage Works) | Bredbury & Romily U.D.C. | 5 | 1 0 | 150 | ... | 35·92 | 194 | 149 |
| D | Sale (Carrington Lane) (+A) | Mersey & Irwell Catcht. Bd. | 5 | 1 0 | 72 | ... | 36·32 | 210 | 160 |
| D | Sale (Sewage Works) | Manager | 5 | 0 10 | 70 | ... | 38·87 | 199 | 166 |
| D | Romiley (Greave) | F. Edwards, Esq. | 5 | 1 0 | 510 | ... | 44·11 | 221 | 168 |
| | Godley Reservoir | Manchester Corpn. W.W. | 5 | 1 0 | 488 | 34·8 | 46·25 | 233 | 191 |
| D | Dukinfield (Higher Reservoir) | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 435 | ... | 41·74 | 197 | 162 |
| | Arnfield Reservoir | Manchester Corpn. W.W. | 5 | 1 0 | 512 | 39·1 | 48·59 | 220 | 175 |
| | Rhodes Wood Reservoir | Manchester Corpn. W.W. | 5 | 1 0 | 545 | 42·7 | 54·51 | 235 | 192 |
| | §Hollingworth Hall Moor | Manchester Corpn. W.W. | 5 | 1 0 | 1194 | ... | 51·81 | ... | ... |
| | Torside Reservoir | Manchester Corpn. W.W. | 5 | 1 0 | 669 | ... | 56·26 | 247 | 192 |
| D | Stalybridge (Market Ground Yd.) | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 373 | ... | 45·95 | 221 | 177 |
| D | Stalybridge (Brushes Filter Ho.) | M. T. B. Whitson, Esq., C.E. | 8 | 1 6 | 615 | 39·2 | 50·87 | 210 | 180 |
| W | Higher Swineshaw | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 965 | ... | 53·02 | ... | ... |
| D | Woodhead Reservoir | Manchester Corpn. W.W. | 5 | 1 0 | 665 | 48·3 | 55·39 | 231 | 187 |
| | §Arnfield Moor | Manchester Corpn. W.W. | 5 | 1 0 | 1290 | ... | 61·86 | ... | ... |

§ Turf wall round gauge. * *Per* Cheshire Rivers Catchment Bd. ** *Per* R. Mersey & Irwell Catchment Board.

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **CHESHIRE—(*contd.*).** | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—MERSEY. UPPER.—(*contd.*).** | | | | | | | | | |
| | §Crowden (Span Gutter) | ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1530 | ... | 61·87 | ... | ... |
| | §Pikenaze Moor (Audernshaw Clough) | | Manchester Corpn. W.W. | 5 | 1 0 | 1148 | ... | 69·04 | ... | ... |
| | §Woodhead (Pikenaze) | ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 926 | ... | 61·52 | ... | ... |
| | §Swineshaw Moor (Boar Flat) | ... | Manchester Corpn. W.W. | 5 | 1 0 | 1190 | 48·6 | 58·19 | ... | ... |
| | §Westend Moor (Stonefold) | ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1691 | ... | 74·00 | ... | ... |
| | §Withens Moor (West Withens) | ... | Manchester Corpn. W.W. | 5 | 1 0 | 1382 | ... | 74·67 | ... | ... |
| | §Crowden (Meadow Clough) | ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1425 | ... | 76·88 | ... | ... |
| | §Long Ridge Moss (Near Broadslate) | | Manchester Corpn. W.W. | 5 | 1 0 | 1663 | ... | 76·81 | ... | ... |
| | §Longside Moss | ... ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1418 | 59·8 | 71·53 | ... | ... |
| | §Upper Heyden | ... ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1708 | 60·5 | 76·23 | ... | ... |
| | §Grains Moss | ... ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1573 | ... | 72·90 | ... | ... |
| | **2.—MERSEY. Weaver. 489 sq. mi.** | | | | | | | | | |
| D | Audlem (Newholme) | ... ... ... | C. Coffin, Esq.* ... ... | 5 | 1 0 | 220 | ... | 33·66 | 195 | 147 |
| D | Wirswall Hall | ... ... ... ... | Mrs. Illingworth ... ... | 5 | 1 2 | 505 | 27·7 | 31·32 | 172 | 151 |
| D | Wybunbury (The Cliffe) | ... ... | R. H. G. Tatton, Esq. ... | 5 | 1 3 | 160 | ... | 29·76 | 211 | 138 |
| d | Cholmondeley School | ... (+A) | A. H. Munro, Esq.* ... | 5 | 1 0 | 300 | ... | 31·79 | 200 | 142 |
| D | Nantwich (Baddiley W.W.) | ... ... | Nantwich U.D.C. ... ... | 5 | 1 0 | 231 | 28·3 | 31·92 | 184 | 145 |
| D | Nantwich (Beam Bridge) | ... ... | Nantwich U.D.C. ... ... | 5 | 1 0 | 115 | ... | 32·87 | 193 | 149 |
| D | Cholmondeley (Higginsfield) | ... ... | H. B. Vernon, Esq. ... | 5 | 1 0 | 332 | ... | 33·94 | 204 | 153 |
| D | Nantwich (Dorfold Hall) | ... ... | Weaver Navigation Trustees | 8 | 1 0 | 190 | 28·8 | 32·93 | 220 | 158 |
| D | Nantwich (Reaseheath Hall) | ... ... | Weaver Navigation Trustees | 8 | 1 0 | 130 | 29·1 | 31·18 | 178 | 150 |
| D | Crewe (Sewage Wks.) | ... ... ... | L. Reeves, Esq., C.E. ... | 5 | 1 0 | 125 | ... | 31·97 | 192 | 154 |
| D | Crewe (Isolation Hospital) | ... ... | L. Reeves, Esq., C.E. ... | 5 | 1 4 | 181 | 28·2 | 31·98 | 200 | 155 |
| D | Tarporley (Tilstone Lodge) | ... ... | Head Gardener ... ... | 5 | 0 6 | 220 | 28·3 | 33·26 | 193 | 143 |
| D | Eaton (Pumping Station) | ... ... | L. Reeves, Esq., C.E. ... | 5 | 1 0 | 280 | ... | 35·98 | 208 | 155 |
| D | §Congleton (Sewage Works) | ... (+A) | Borough Surveyor ... ... | 5 | 1 0 | 248 | 30·1 | 35·74 | 208 | 159 |
| D | Congleton (Buglawton Hall) | ... ... | Weaver Navigation Trustees | 8 | 1 0 | 450 | ... | 42·86 | 196 | 166 |
| D | Tarporley (Tirley Garth Gdns.) | ... | Mr. J. B. Allan ... ... | 5 | 3 6 | 450 | 30·0 | 35·00 | 205 | 159 |
| d | Bosley Reservoir | ... ... ... | Cheshire Rivers Catch. Bd. | 5 | 1 0 | 500 | ... | 48·60 | ... | 159 |
| D | Middlewich | ... ... ... ... | I.C.I. (Alkali) Ltd. ... ... | 5 | 1 0 | 138 | ... | 32·34 | 175 | 149 |
| D | Swettenham Hall | ... ... ... | Weaver Navigation Trustees | 8 | 1 0 | 190 | ... | 36·77 | 204 | 159 |
| D | Middlewich (Bostock Hall) | ... ... | Capt. W. H. France-Hayhurst | 5 | 1 0 | 157 | 30·3 | 35·60 | 200 | 159 |
| D | Cranage (Mental Institution) | ... ... | Clerk and Steward* ... | 5 | 1 0 | 170 | 29·2 | 39·45 | 227 | 185 |
| D | Delamere (Linmere) | ... ... ... | Forestry Commission ... | 8 | 0 9 | 250 | 31·7 | 36·30 | 204 | 163 |
| d | Cuddington (Merle Wood) | ... ... | His Honour Judge Burgis ... | 5 | 1 0 | 200 | ... | 35·45 | ... | 152 |
| D | Hartford (Holly Bank) | ... ... | Giles Owen, Esq. ... ... | 5 | 1 0 | 160 | 29·5 | 35·35 | 208 | 155 |
| D | Siddington (Capesthorne Hall) | ... | Sir William Bromley Davenport* ... ... ... | 5 | 1 0 | 300 | ... | 36·82 | 197 | 169 |
| D | Northwich (Sandiway W.W.) | ... ... | J. Birtwistle, Esq. ... ... | 8 | 1 0 | 163 | 32·0 | 36·86 | 213 | 152 |
| D | Northwich (Hunts Lock) | ... ... | Weaver Navigation Trustees | 8 | 1 5 | 47 | 30·0 | 35·46 | 189 | 154 |
| D | Northwich (Winnington) | ... ... | I.C.I. (Alkali) Ltd. ... | 5 | 1 0 | 64 | 29·2 | 32·26 | 186 | 155 |
| D | Chelford (Snelson House) | ... ... | R. C. Walsh, Esq. ... ... | 5 | 1 0 | 250 | ... | 36·24 | 183 | 155 |
| D | Northwich (Lostock Gralam) | ... | I.C.I. (Alkali) Ltd. ... ... | 5 | 1 0 | 75 | ... | 33·14 | 209 | 154 |
| D | Northwich (Marbury Rd.) | ... ... | Charles Cooper, Esq. ... | 5 | 1 0 | 96 | ... | 34·58 | 198 | 154 |
| | **3.—MERSEY. LOWER & C. 142 sq. mi.** | | | | | | | | | |
| D | Mouldsworth (Pumping Station) | ... | West Cheshire Water Board | 5 | 1 0 | 145 | ... | 32·12 | 208 | 157 |
| D | Manley (Ravelstone) | ... ... ... | A. Haworth, Esq., B.A., J.P. | 5 | 1 0 | 360 | ... | 35·82 | 196 | 165 |
| D | Foxhill (Pumping Station) | ... ... | Warrington W.W. ... ... | 5 | 1 0 | 155 | ... | 32·08 | 188 | 157 |
| D | Hootton W.W. | ... ... ... | West Cheshire Water Bd. ... | 5 | 1 0 | 97 | 30·3 | 34·11 | 194 | 147 |
| D | Crosshill Reservoir, *old g.* | ... ... | E. C. Hutson, Esq., C.E. ... | 5 | 1 0 | 237 | ... | 35·47 | 194 | 148 |

§ Turf wall round gauge. * *Per* Cheshire Rivers Catchment Board.

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **CHESHIRE—(*contd.*).** | | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **3.—MERSEY. LOWER & C.—(*contd.*).** | | | | | | | | | |
| D | Crosshill Reservoir, *new g.* | | E. G. Hutson, Esq., C.E. | 5 | 1 | 0 212 | ... | 36·74 | 194 | 150 |
| D | Prenton Waterworks | | West Cheshire Water Board | 5 | 1 | 3 91 | 28·1 | 35·96 | 197 | 161 |
| D | Birkenhead (Bidston Obs'y.) | (+A) | Director | 8 | 1 | 0 198 | 27·9 | 33·72 | 196 | 144 |
| D | Hoylake (Recreation Ground) | | Surveyor | 5 | 1 | 0 23 | 28·0 | 31·72 | 190 | 142 |
| | **4.—DEE. 127 sq. mi.** | | | | | | | | | |
| D | Eaton Hall Gardens | | Mr. N. F. Barnes | 5 | 1 | 6 72 | 26·9 | 30·94 | 187 | 149 |
| D | Rowton (Holly Bank) | | J. H. Salmon, Esq. | 5 | 1 | 5 213 | 27·3 | 30·74 | 166 | 145 |
| D | Chester (Sewage Disposal Wks.) | | C. Greenwood, Esq., C.E. | 5 | 0 | 6 16 | 26·1 | 29·25 | 177 | 145 |
| D | Chester (Waterworks) | | Engineer | 5 | 0 | 10 85 | 26·4 | 28·61 | 182 | 144 |
| | Burton | | R. A. L. Billson, Esq. | 5 | 1 | 0 210 | ... | 30·91 | ... | ... |
| | West Kirby (Hilbre House) | | Egerton Macdona, Esq. | 5 | 0 | 9 25 | 27·8 | 32·93 | ... | ... |
| D | West Kirby (Monk's Way) | | Miss G. S. Kirkby | 5 | 1 | 0 113 | 28·9 | 33·32 | 202 | 145 |
| D | West Kirby (St. Andrew's Vic.) | | Rev. Canon E. F. Robson | 5 | 1 | 0 25 | 27·9 | 35·16 | 207 | 145 |
| | **SOUTH LANCASHIRE. (Area, 700 sq. mi.)** | | | | | | | | | |
| | **1.—ALT & C. 103 sq. mi.** | | | | | | | | | |
| | Liverpool (Mayfield Close) | | Rev. C. Decker | 5 | 2 | 0 95 | ... | 37·30 | 204 | 163 |
| d | Kirby (Estate Works) | | F. East, Esq.* | 5 | 1 | 0 48 | ... | 39·78 | 192 | 154 |
| D | Crosby (Merchant Taylors' Sch.) | | H. Tunley, Esq. | 5 | 0 | 8 20 | ... | 34·18 | 204 | 147 |
| D | Formby (Ince Blundell) | | Lancashire County Council† | 5 | 1 | 0 36 | ... | 42·65 | 234 | 167 |
| d | Ormskirk (Bickerstaffe P. Stn.) | | N. B. Bennett, Esq., C.E. | 5 | 0 | 9 128 | 33·2 | 42·58 | 200 | 164 |
| d | Ormskirk (Springfield P. Stn.) | | N. B. Bennett, Esq., C.E. | 5 | 0 | 11 69 | 33·1 | 41·92 | 192 | 158 |
| d | Formby (Hightown) | | Lancashire County Council† | 5 | 1 | 0 25 | ... | 38·32 | 223 | 159 |
| | **2.—MERSEY. LOWER. 244 sq. mi.** | | | | | | | | | |
| D | Garston (Speke Airport) | (+A) | Meteorological Office | 5 | 1 | 0 81 | ... | 34·28 | 189 | 149 |
| D | Garston | | Liverpool Corporation | 5 | 1 | 0 81 | 30·7 | 37·30 | 207 | 165 |
| D | Halewood (Sewage Works) | | Manager | 5 | 1 | 0 27 | ... | 37·94 | 205 | 163 |
| D | Garston (Grassendale Park) | | A. G. Isaacson, Esq. | 5 | 1 | 0 30 | 30·1 | 34·09 | 207 | 148 |
| D | Widnes (Gas & Water Works) | | C. E. Dickinson, Esq. | 5 | 1 | 0 34 | ... | 34·43 | 193 | 153 |
| D | Liverpool (Lark Lane) | | Liverpool Corporation | 5 | 9 | 1 90 | ... | 36·52 | 211 | 163 |
| D | Liverpool (Smithdown Road) | | Liverpool Corporation | 5 | 1 | 0 135 | 31·7 | 37·22 | 209 | 160 |
| d | Cronton (Pex Hill, Old Res.) | | C. E. Dickinson, Esq. | 5 | 1 | 0 228 | ... | 38·27 | 214 | 161 |
| D | Liverpool (Monument Place) | (+A) | Liverpool Corporation | 5 | 1 | 3 124 | ... | 37·89 | 201 | 155 |
| D | Liverpool (Rathbone Road) | | Liverpool Corporation | 5 | 1 | 0 198 | 34·3 | 38·21 | 195 | 158 |
| D | Liverpool (Breckside Park) | | Liverpool Corporation | 5 | 0 | 9 132 | 33·2 | 37·30 | 197 | 153 |
| D | Liverpool (Queens Drive) | | Liverpool Corporation | 5 | 1 | 0 119 | 33·3 | 37·98 | 192 | 162 |
| D | Warrington (Howley Yard) | | Borough Surveyor | 8 | 5 | 1 26 | ... | 36·71 | 202 | 157 |
| D | Winwick P. Stn. | | Warrington W.W. | 5 | 1 | 0 115 | ... | 37·27 | 204 | 160 |
| | Prescot | | Lt.-Col. F. Hibbert, C.E. | 5 | 1 | 0 282 | ... | 40·57 | ... | ... |
| D | St. Helens (Eccleston Hill) | | A. P. Statham, Esq., C.E. | 12 | 1 | 0 265 | 33·6 | 36·07 | 199 | 158 |
| D | St. Helens (Victoria Park) | | Dr. F. Hauxwell | 8 | 1 | 5 160 | 33·9 | 37·06 | 191 | 149 |
| d | Earlstown (Newton Cemetery) | | T. Gibbs, Esq. | 5 | 1 | 0 83 | 33·6 | 37·93 | ... | 147 |
| d | Kenyon (Newchurch Homes) | | Clerk & Steward* | 5 | 1 | 0 97 | ... | 39·09 | 191 | 149 |
| d | Lowton (Newton Road) | | G. H. Coe, Esq. | 5 | 2 | 0 121 | ... | 41·22 | ... | 159 |
| D | St. Helens (Windle Hall) | | W. H. Pilkington, Esq. | 5 | 1 | 0 160 | ... | 38·19 | 205 | 157 |
| d | Litherland (Hatton Hill Pk.) | | G. W. Ponsford, Esq., C.E. | 5 | 1 | 0 59 | ... | 37·02 | ... | ... |
| d | Leigh (Sewage Works) | | T. N. Cockroft, Esq., B.Sc. | 5 | 1 | 0 67 | 32·6 | 40·22 | ... | 171 |
| D | Golborne (Wigan Road) | | A. G. Flower, Esq. | 8 | 0 | 6 145 | ... | 43·17 | 208 | 169 |
| d | Rainford (Rookery Sewage Wks.) | | Surveyor* | 5 | 1 | 0 107 | ... | 39·83 | 191 | 150 |

* *Per* Lancs C.C. Land Drainage Engineer. † *Per* Land Drainage Engineer.

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOUTH LANCASHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—MERSEY. Irwell. 299 sq. mi.** | | | | | | | | |
| D | Stretford (Longford Park) | Stretford U.D.C. | 8 | 1 1 | 85 | ... | 36·40 | 203 | 156 |
| D | Manchester (Hullard Park) | Stretford U.D.C. | 8 | 1 1 | 100 | 32·4 | 38·56 | 190 | 162 |
| D | Manchester (Old Trafford) | Stretford U.D.C. | 8 | 1 1 | 107 | ... | 37·47 | 192 | 151 |
| D | Urmston (Sew. Wks. Davyhulme) | Manchester Cor. Rivers Dpt. | 8 | 1 0 | 72 | 30·9 | 36·61 | 191 | 151 |
| D | Patricroft (Eccles Sewage Wks.) | C. J. Girling, Esq. | 5 | 1 0 | 72 | 30·3 | 37·46 | 204 | 155 |
| D | Salford (Weaste Sewage Wks.) | City Engineer | 8 | 1 0 | 80 | ... | 41·36 | 216 | 173 |
| D | MANCHESTER (WHITWORTH PARK) | Manchester University | 8 | 1 0 | 125 | 31·7 | 37·52 | 204 | 156 |
| D | Ashton-u-Lyne (Knott H. Res.) | M. T. B. Whitson, Esq., C.E. | 8 | 1 0 | 605 | ... | 49·37 | 252 | 182 |
| D | Prestwich Sewage Works | The Manager | 8 | 0 10 | 150 | 36·6 | 44·59 | 200 | 174 |
| | Prestwich Res. | Manchester Corpn. W.W. | 5 | 1 0 | 357 | ... | 46·73 | 207 | 171 |
| D | Prestwich (Heaton Park) | City Engineer, Manchester | 8 | 1 0 | 312 | 36·8 | 46·64 | 205 | 171 |
| | Prestwich (Heaton Park Res.) | Manchester Corpn. W.W. | 5 | 1 0 | 355 | 37·1 | 44·99 | 219 | 168 |
| D | Oldham Gas Works | C. Busfield, Esq. | 5 | 5 9 | 602 | 39·0 | 49·70 | 229 | 184 |
| d | Bolton (Hacken Sewage Wks.) | E. Needham, Esq. | 5 | 1 0 | 182 | ... | 48·77 | 206 | 161 |
| D | Oldham (Brushes Clough) No. 3 | C. Busfield, Esq. | 5 | 1 0 | 921 | 46·7 | 56·23 | 241 | 198 |
| D | Royton (Public Park) | Park Superintendent | 5 | 1 0 | 502 | ... | 48·65 | 221 | 175 |
| D | BOLTON (Queen's Park) (+A) | Corpn. (E. Hendy, Esq.) | 5 | 1 0 | 342 | 43·1 | 52·45 | 218 | 176 |
| d | Bolton (L.M.S.R.) No. 1 | L.M. & S. Rly. Co. | 5 | 1 0 | 299 | ... | 49·67 | ... | ... |
| D | Bolton (Heaton Reservoir) | Bolton Corporation W.W. | 5 | 1 0 | 500 | 43·5 | 51·39 | 228 | 179 |
| | Bolton W.W. (Harpers Farm) | Bolton Corporation W.W. | 5 | 1 0 | 872 | ... | 54·10 | ... | ... |
| D | Bolton (Smithhills Hall) | Corporation | 5 | 1 0 | 510 | 46·1 | 55·53 | 205 | 170 |
| D | Bury (L.M.S.R.) | L.M. & S. Rly. Co. | 5 | 1 0 | 294 | ... | 46·61 | 218 | 168 |
| D | Bury (Greenhill Road) | R. Moore, Esq. | 5 | 2 7 | 399 | | 51·03 | 199 | 169 |
| D | Bury (Bridge Hall) | Miss C. Wrigley | 8 | 1 0 | 270 | 42·2 | 48·99 | 212 | 166 |
| D | Newhey (Sewage Works) | Mr. J. B. Ogden | 8 | 1 0 | 513 | 41·6 | 50·42 | 205 | 178 |
| D | Milnrow (Butterworth Hall) | C. Busfield, Esq. | 5 | 1 0 | 512 | 43·8 | 54·84 | 227 | 180 |
| D | Milnrow (Piethorne, Kitcliffe) | C. Busfield, Esq. | 5 | 1 0 | 766 | ... | 57·32 | 235 | 196 |
| D | Milnrow (Piethorne, Cold Greave) | C. Busfield, Esq. | 5 | 1 0 | 832 | 46·3 | 56·82 | 235 | 195 |
| D | Rochdale (Roch Mills Sew. Wks.) | S. H. Morgan, Esq., C.E. | 8 | 1 1 | 363 | 44·5 | 49·88 | 218 | 168 |
| D | Rochdale (Lord Street) | Water Engineer | 5 | 4 6 | 407 | ... | 50·89 | 221 | 175 |
| d | Rochdale (Fieldhead Yard) | S. H. Morgan, Esq. | 8 | 1 0 | 473 | 44·8 | 51·94 | 206 | 170 |
| D | Rochdale (Ashworth Moor Res.) | Heywood Water Board | 5 | 1 2 | 956 | ... | 53·69 | 221 | 184 |
| D | Bury (Gin Hall) No. 1 | Irwell Valley Water Bd. | 5 | 1 0 | 475 | 43·7 | 55·44 | 216 | 184 |
| D | Bury (Gin Hall) No. 2 | Irwell Valley Water Bd. | 5 | 1 0 | 475 | 44·5 | 55·06 | 216 | 186 |
| D | Bolton W.W. (Springs) | Bolton Corporation W.W. | 5 | 1 0 | 810 | 54·5 | 64·26 | 233 | 187 |
| | Bolton W.W. (Eagley) | Bolton Corporation W.W. | 5 | 1 0 | 546 | 52·3 | 63·81 | ... | ... |
| D | Turton (Turton Tower) | Turton U.D.C. | 5 | 1 0 | 584 | ... | 58·81 | 219 | 183 |
| M | Bolton W.W. (Hordern) | Bolton Corporation W.W. | 5 | 1 0 | 1160 | 53·6 | 64·21 | ... | ... |
| D | Bolton W.W. (Delph) | Bolton Corporation W.W. | 5 | 1 0 | 710 | 53·6 | 63·38 | 234 | 187 |
| M | Bolton W.W. (Longworth) | Bolton Corporation W.W. | 5 | 1 0 | 770 | 52·4 | 62·17 | ... | ... |
| D | Bolton W.W. (Wayoh) | Bolton Corporation W.W. | 5 | 1 0 | 608 | 51·6 | 61·87 | 230 | 188 |
| | §Bolton W.W. (Holden's Farm) | Bolton Corporation W.W. | 5 | 1 0 | 955 | 53·0 | 60·38 | ... | ... |
| | Bolton W.W. (Top-o'-th'-Brow) | Bolton Corporation W.W. | 5 | 1 0 | 935 | 56·5 | 65·30 | ... | ... |
| D | Bolton W.W. (Entwistle) | Bolton Corporation W.W. | 5 | 1 0 | 692 | 53·8 | 60·78 | 229 | 182 |
| | Bolton W.W. (Bromiley Heys) | Bolton Corporation W.W. | 5 | 1 0 | 925 | 51·5 | 62·48 | ... | ... |
| | §Bolton W.W. (Hulton Pasture) | Bolton Corporation W.W. | 5 | 1 0 | 1130 | 49·7 | 62·67 | ... | ... |
| | §Bolton W.W. (Moorside) | Bolton Corporation W.W. | 5 | 1 0 | 850 | 50·2 | 57·60 | ... | ... |
| | Bolton W.W. (Clough) | Bolton Corporation W.W. | 5 | 1 0 | 1150 | 55·4 | 62·09 | ... | ... |
| | Bolton W.W. (Cranberry Moss) | Bolton Corporation W.W. | 5 | 1 0 | 982 | 53·7 | 61·73 | ... | ... |
| | Bolton W.W. (Slater Lane) | Bolton Corporation W.W. | 5 | 1 0 | 985 | 51·8 | 64·58 | ... | ... |
| | Bolton W.W. (Brown Lowe) | Bolton Corporation W.W. | 5 | 1 0 | 1200 | 53·8 | 60·39 | ... | ... |
| | Bolton W.W. (Longshoot) | Bolton Corporation W.W. | 5 | 1 0 | 930 | ... | 62·34 | ... | ... |
| | Bolton W.W. (Uglow) | Bolton Corporation W.W. | 5 | 1 0 | 1090 | 51·1 | 59·12 | ... | ... |
| D | Rochdale (Hamer Pasture Res.) | Rochdale Corporation W.W. | 5 | 1 0 | 760 | 48·6 | 54·57 | 221 | 180 |

§ Turf wall round gauge.

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOUTH LANCASHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—MERSEY. Irwell.—(*contd.*).** | | | | | | | | |
| D | Rochdale (Naden Filters) ... ... | Heywood Water Board ... | 5 | 1 0 | 761 | ... | 57·23 | 219 | 180 |
| W | Norden (Far Knowl Farm) ... ... | Heywood Water Board ... | 5 | 1 3 | 1000 | 47·2 | 61·67 | ... | ... |
| D | Littleborough (Longden End) ... | C. Busfield, Esq. ... ... | 5 | 1 0 | 751 | 47·4 | 57·06 | 237 | 186 |
| D | Littleborough (Hollingworth Lake) ... | C. Busfield, Esq. ... ... | 8 | 1 0 | 610 | 40·6 | 48·73 | 227 | 172 |
| D | Littleborough (Broadhead) ... ... | C. Busfield, Esq. ... ... | 8 | 1 0 | 1337 | ... | 55·25 | 237 | 181 |
| D | Littleborough (Blackstone Edge) ... | C. Busfield, Esq. ... ... | 8 | 1 0 | 1268 | 45.0 | 60·42 | 238 | 190 |
| D | Littleborough (Uppr. Chelburn) ... | C. Busfield, Esq. ... ... | 8 | 1 0 | 725 | 47·5 | 57·44 | 231 | 189 |
| D | Littleborough (Chelburn) ... ... | C. Busfield, Esq. ... ... | 8 | 1 0 | 700 | ... | 54·93 | 231 | 187 |
| M | Ramsbottom (Killgate Brook) ... | Heywood Water Board ... | 5 | 1 0 | 978 | ... | 58·81 | ... | ... |
| d | Ramsbottom (L.M.S.R.) ... ... | L.M. & S. Rly. Co. ... | 5 | 0 11 | 418 | 47·7 | 50·79 | ... | ... |
| M | Ramsbottom (Cheesden Barn) ... | Heywood-Water Board ... | 5 | 1 0 | 997 | ... | 54·11 | ... | ... |
| D | Edenfield (New Hall Nurseries) ... | Irwell Valley Water Bd. ... | 5 | 1 0 | 800 | ... | 52·97 | 229 | 176 |
| D | Edenfield (Scout Moor Res.) ... ... | Irwell Valley Water Bd. ... | 5 | 1 0 | 1275 | ... | 72·77 | 238 | 191 |
| D | Waterfoot (Cragg Reservoir) ... ... | Bacup Boro. Council ... | 5 | 1 0 | 1325 | ... | 64·31 | 234 | 194 |
| D | Waterfoot (Cowpe Reservoir) ... | Bacup Boro' Council ... | 5 | 1 0 | 925 | ... | 64·56 | 234 | 196 |
| D | Rochdale (Spring Mill Whitworth) ... | Rochdale Corporation W.W. | 5 | 1 0 | 720 | 51·5 | 60·82 | 207 | 191 |
| D | Wardle (Watergrove Mill) ... ... | Rochdale Corporation W.W. | 8 | 2 6 | 819 | ... | 52·81 | 237 | 192 |
| D | Rochdale (Cowm, Whitworth) ... | Rochdale Corporation W.W. | 5 | 1 0 | 762 | 51·5 | 61·86 | 216 | 194 |
| D | Haslingden (Holden Wood) ... No. 1 | Irwell Valley Water Bd. ... | 5 | 1 0 | 670 | 52·1 | 63·85 | 223 | 187 |
| D | Haslingden (Holden Wood) ... No. 2 | Irwell Valley Water Bd. ... | 5 | 1 0 | 670 | 51·4 | 61·71 | 223 | 192 |
| D | Haslingden (Calf Hey) ... No. 1 | Irwell Valley Water Bd. ... | 5 | 1 0 | 800 | 50·9 | 64·42 | 222 | 195 |
| D | Haslingden (Ogden) ... ... No. 1 | Irwell Valley Water Bd. ... | 5 | 1 0 | 740 | ... | 60·17 | 221 | 184 |
| D | Haslingden (Ogden) ... ... No. 2 | Irwell Valley Water Bd. ... | 5 | 1 0 | 740 | ... | 59·64 | 221 | 187 |
| D | Bacup (L.M.S.R.) ... ... No. 4 | L.M. & S. Rly. Co. ... | 5 | 1 0 | 875 | 47·1 | 60·77 | 218 | 190 |
| d | Rawtenstall Cemetery ... ... ... | Bor. Engineer & Surveyor | 8 | 1 1 | 572 | 46·3 | 55·74 | ... | ... |
| D | Rawtenstall (Greenfold Res.) No. 1A | Irwell Valley Water Board | 5 | 1 0 | 1000 | ... | 58·55 | 219 | 191 |
| D | Rawtenstall (Greenfold Res.) No. 2 | Irwell Valley Water Board | 5 | 1 0 | 1025 | ... | 56·18 | 217 | 180 |
| D | Rawtenstall (Cloughbottom) ... No. 1 | Irwell Valley Water Board | 5 | 1 0 | 1025 | 47·4 | 57·36 | 202 | 186 |
| D | Rawtenstall (Clowbridge Res.) No. 1 | Irwell Valley Water Board | 5 | 1 0 | 930 | 47·6 | 55·59 | 219 | 187 |
| D | Rawtenstall (Clowbridge Res.) No. 2 | Irwell Valley Water Board | 5 | 1 0 | 930 | 51·6 | 61·83 | 219 | 188 |
| | **4.—MERSEY. UPPER. 54 sq. mi.** | | | | | | | | |
| D | Northenden Sewage Wks. ... ... | Manchester Cor. Rivers Dpt. | 8 | 1 0 | 81 | ... | 35·92 | 192 | 151 |
| D | Chorlton-cum-Hardy Sewage Works... | Manchester Cor. Rivers Dpt. | 8 | 4 6 | 95 | 30·5 | 35·81 | 202 | 153 |
| D | Stretford (Sewage Farm) ... ... | Stretford U.D.C. ... ... | 8 | 1 1 | 65 | ... | 39·96 | 214 | 168 |
| D | Denton (Sewage Works) ... ... | Denton U.D.C. ... ... | 5 | 1 0 | 205 | ... | 38·82 | 191 | 151 |
| D | Fallowfield (Platt Field Park) ... | City Engineer, Manchester | 8 | 1 0 | 118 | 30·6 | 38·74 | 221 | 163 |
| | Denton Reservoir ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 306 | ... | 42·94 | 231 | 173 |
| | Gorton Reservoir ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 263 | ... | 43·23 | 228 | 183 |
| D | Ashton-u-Lyne (Henrietta St. Yd.) ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 394 | 37·2 | 43·67 | 204 | 165 |
| D | Lower Swineshaw Reservoir ... ... | M. T. B. Whitson, Esq., C.E. | 8 | 1 0 | 886 | 43·6 | 52·63 | 211 | 183 |
| W | Swineshaw Moor ... ... ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1340 | ... | 53·20 | ... | ... |
| D | Mossley (Manor House Yard) ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 636 | 41·5 | 48·48 | 224 | 182 |
| | **CENTRAL LANCASHIRE. (Area, 536 sq. mi.)** | | | | | | | | |
| | **1.—RIBBLE & C. 326 sq. mi.** | | | | | | | | |
| M | Rivington (Tockholes) ... ... | Lt.-Col. F. Hibbert, C.E. ... | 5 | 1 0 | 970 | ... | 59·28 | ... | ... |
| W | Roddlesworth ... ... ... ... | Lt.-Col. F. Hibbert, C.E. ... | 5 | 1 0 | 725 | ... | 56·66 | ... | ... |
| D | Darwen (Sunnyhurst Hey Res.) ... | Borough Engineer ... ... | 8 | 1 5 | 915 | 49·5 | 60·10 | 225 | 185 |
| D | Darwen (Earnsdale Reservoir) ... | Borough Engineer ... ... | 8 | 1 0 | 705 | 47·4 | 59·60 | 225 | 185 |
| D | DARWEN (Bold Venture Park) ... | Medical Officer of Health ... | 8 | 1 1 | 724 | 50·1 | 58·77 | 213 | 182 |
| D | Darwen (Hoddlesden) ... ... ... | G. McKay, Esq., C.E. ... | 8 | 1 6 | 680 | 49·1 | 55·21 | 230 | 175 |

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **CENTRAL LANCASHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—RIBBLE & C.—(*contd.*).** | | | | | | | | |
| D | §Darwen (Daisy Green) ... No. 1 | G. McKay, Esq., C.E. ... | 8 | 1 6 | 969 | ... | 53·66 | 232 | 169 |
| D | §Darwen (Pickup Bank) ... No. 2 | G. McKay, Esq., C.E. ... | 8 | 1 6 | 727 | ... | 49·77 | 229 | 157 |
| D | Brindle (Whiteholme)... ... ... | Miss W. M. Gatty ... ... | 5 | 1 8 | 315 | 39·3 | 46·19 | 199 | 166 |
| D | Haslingden (Mitchell's Ho. Res.) ... | A. J. Harrison, Esq. ... | 5 | 1 6 | 950 | 45·0 | 58·71 | 225 | 179 |
| D | Blackburn (Guide Reservoir) ... ... | G. McKay, C.E. ... ... | 8 | 1 6 | 610 | 44·9 | 47·94 | 210 | 164 |
| D | Blackburn (Witton) ... ... ... | G. McKay, Esq., C.E. ... | 8 | 1 6 | 315 | 42·0 | 45·60 | 203 | 153 |
| D | HUTTON (Lancs. C.C. Hort. Station) | Principal ... ... ... | 5 | 1 0 | 82 | 35·2 | 43·54 | 182 | 161 |
| D | St. Anne's-on-Sea (South Side) ... | Medical Officer of Health ... | 5 | 1 0 | 25 | 31·4 | 36·16 | 183 | 147 |
| D | Accrington (Oak Hill Park) ... (+A) | Borough Engineer ... ... | 5 | 1 0 | 645 | ... | 48·45 | 206 | 165 |
| D | Preston (Moor Park) ... ... ... | Preston Corporation ... | 8 | 1 0 | 110 | 35·3 | 46·14 | 218 | 166 |
| D | Samlesbury Sewage Works ... ... | G. McKay, Esq., C.E. ... | 8 | 1 6 | 240 | 36·9 | 43·29 | 196 | 159 |
| D | Blackburn (Queens Road) ... ... | J. Brennand, Esq. ... ... | 5 | 1 1 | 515 | ... | 49·97 | 231 | 158 |
| W | Causeway Side (Burnley W.W.) ... | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 1110 | ... | 61·05 | ... | ... |
| W | Sheddin (Burnley W.W.) ... ... | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 960 | ... | 59·94 | ... | ... |
| D | Cant Clough S. Side (Burnley W.W.) | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 903 | ... | 59·33 | 243 | 189 |
| D | Cant Clough N. Side (Burnley W.W.) | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 846 | ... | 57·59 | 243 | 190 |
| W | Rams Clough Head (Burnley W.W.) | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 1236 | ... | 56·56 | ... | ... |
| D | Huncoat (Burnley Road Res.) ... | A. J. Harrison, Esq. ... | 5 | 1 10 | 620 | 43·0 | 46·62 | 192 | 157 |
| D | Rishton (Sewage Works) ... ... | The Surveyor ... ... | 5 | 1 0 | 270 | ... | 44·46 | 193 | 154 |
| D | Great Harwood (Parsonage Res.) ... | G. McKay, Esq., C.E. ... | 8 | 1 0 | 631 | 40·7 | 46·60 | 208 | 166 |
| D | Great Harwood (Kebb Farm) ... | A. J. Harrison, Esq. ... | 5 | 1 6 | 540 | ... | 54·29 | 219 | 172 |
| D | BURNLEY (Queens Park) ... ... | Medical Officer of Health ... | 8 | 1 0 | 458 | ... | 48·22 | 224 | 169 |
| D | Burnley (Swinden) *upper g.* ... ... | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 811 | 43·6 | 53·10 | 234 | 175 |
| D | Burnley (Swinden) *lower g.* ... ... | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 745 | 44·3 | 53·44 | 234 | 176 |
| W | Extwistle Moor Top (Burnley W.W.) | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 1308 | ... | 57·27 | ... | ... |
| D | Padiham (Altham Sewage Works) ... | J. Harrison, Esq. ... ... | 5 | 1 6 | 225 | 40·9 | 47·85 | 189 | 167 |
| D | Padiham (Huntroyde) ... ... ... | C. Russell Ingham, Esq. ... | 5 | 1 0 | 423 | 41·1 | 47·16 | 206 | 174 |
| D | Alston Reservoir ... ... ... | E. C. Oakes, Esq., C.E. ... | 8 | 1 2 | 330 | 41·0 | 45·57 | 227 | 175 |
| | §Nelson (Red Spar Moor) ... ... | Nelson Corporation W.W. | 5 | 1 0 | 1175 | ... | 54·84 | ... | ... |
| D | §Nelson (Coldwell Res.) ... No. 3 | Nelson Corporation W.W. | 5 | 1 0 | 1060 | ... | 59·11 | 237 | 186 |
| D | Nelson (Coldwell Res.) ... No. 2 | Nelson Corporation W.W. | 5 | 1 0 | 960 | 46·3 | 56·31 | 236 | 184 |
| D | Whalley (Calderstones Institution) ... | C. R. Iken, Esq.* ... ... | 5 | 1 0 | 198 | ... | 49·28 | 204 | 163 |
| D | Nelson (Victoria Park) ... ... | Nelson Corporation W.W. | 5 | 1 0 | 375 | 41·8 | 48·64 | 216 | 168 |
| D | NELSON (Walton Lane) ... (+A) | Medical Officer of Health ... | 5 | 1 0 | 540 | 40·6 | 50·67 | 219 | 174 |
| | Wycoller (Dean House) ... ... | F. R. Boothman, Esq., C.E. | 5 | 1 0 | 957 | ... | 59·27 | ... | ... |
| D | Wycoller (Bank House) ... ... | F. R. Boothman, Esq., C.E. | 5 | 1 0 | 872 | ... | 58·90 | 221 | 185 |
| D | Ribchester Institution ... ... ... | E. G. Heaver, Esq.* ... | 5 | 1 0 | 279 | ... | 50·67 | 229 | 165 |
| D | STONYHURST (College) ... ... | Director ... ... ... | 8 | 1 10 | 377 | 46·5 | 51·28 | 221 | 168 |
| D | Cowley Brook (Preston W.W.) ... | E. C. Oakes, Esq., C.E. ... | 8 | 1 2 | 616 | ... | 51·71 | 228 | 181 |
| D | Spade Mill (Preston W.W.) ... ... | E. C. Oakes, Esq., C.E. ... | 8 | 1 2 | 374 | 41·7 | 49·33 | 231 | 171 |
| | Jeffrey Hill (Preston W.W.) ... ... | E. C. Oakes, Esq., C.E. ... | 8 | 1 2 | 900 | 47·3 | 51·76 | ... | ... |
| D | Sabden (Churn Clough Res.) ... ... | Water Engineer, Padiham | 5 | 1 0 | 790 | 41·2 | 53·38 | 205 | 176 |
| | Sabden (Craggs Dole) ... ... ... | Water Engineer, Padiham | 8 | 1 0 | 1050 | 46·0 | 55·32 | ... | ... |
| | Newchurch (Cock Dole) ... ... | Water Engineer, Padiham | 5 | 1 0 | 1090 | 47·0 | 55·69 | ... | ... |
| D | §Barley (Ogden Reservoir) *new g.* ... | Nelson Corporation W.W. | 5 | 1 0 | 908 | ... | 60·50 | 230 | 186 |
| D | §Pendle Hill (Buttock) ... ... ... | Nelson Corporation W.W. | 5 | 1 0 | 1175 | 49·9 | 63·99 | 232 | 196 |
| D | Colne (Swinden Sew. Works) ... | Borough Engineer ... ... | 5 | 1 0 | 423 | 42·0 | 50·18 | 209 | 179 |
| | Colne (Cemetery) ... ... ... | Borough Engineer ... ... | 5 | 3 0 | 525 | ... | 46·55 | ... | ... |
| | Barrowford Reservoir ... ... ... | Leeds & Liverpool Canal Co. | 8 | 1 0 | 473 | 41·0 | 53·87 | ... | ... |
| | §Nelson (Blackmoss Reservoir) ... | Nelson Corpn. W.W. ... | 5 | 1 0 | 830 | ... | 58·23 | ... | ... |
| | Foulridge (Upper Reservoir) ... ... | Leeds & Liverpool Canal Co. | 8 | 1 0 | 582 | 40·5 | 48·18 | ... | ... |
| | Foulridge (Reedy Moor) ... ... | Leeds & Liverpool Canal Co. | 5 | 1 0 | 553 | ... | 46·16 | ... | ... |
| D | Chatburn School ... ... ... | E. P. Aldersley, Esq. ... | 5 | 0 11 | 322 | 43·0 | 56·79 | 202 | 180 |
| | Clitheroe (Downham Hall) ... ... | Sir R. C. Assheton, Bart. ... | 5 | 1 6 | 464 | ... | 53·72 | ... | ... |

* *Per* Lancs. C.C. Land Drainage Engineer. § Turf wall round gauge.

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **CENTRAL LANCASHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **2.—RIBBLE. Douglas. 156 sq. mi.** | | | | | | | | |
| D | Wigan W.W. (Billinge Higher End) | Borough Engineer | 5 | 1 0 | 374 | ... | 44·81 | 209 | 164 |
| D | Orrell (Upholland Gram. Sch.) | Headmaster | 5 | 1 0 | 325 | 35·5 | 44·62 | 209 | 152 |
| d | Wigan (Gidlow Med. Sec. Sch.) | Headmistress | 8 | 0 11 | 150 | ... | 41·62 | 187 | 167 |
| D | Wigan W.W. (Worthington) | Borough Engineer | 5 | 1 0 | 225 | 35·4 | 43·48 | 207 | 158 |
| d | Appley Bridge | Lancashire County Council | 5 | 1 0 | 375 | ... | 42·47 | 196 | 158 |
| D | Horwich (Lower Rivington) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 440 | 38·7 | 45·10 | 207 | 165 |
| W | Horwich (Lower Knoll) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 6 | 742 | 41·2 | 50·85 | ... | ... |
| W | Rivington (Hordern Stoops) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 1065 | ... | 54·08 | ... | ... |
| W | Rivington (Brown Hill) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 727 | ... | 52·54 | ... | ... |
| D | §Rivington (Stone House) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 607 | ... | 50·78 | 230 | 177 |
| W | ‖Rivington (Hurst Hill) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 1029 | ... | 53·79 | ... | ... |
| W | ‖Rivington (Great Hill) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 1240 | ... | 58·77 | ... | ... |
| W | ‖Rivington (Coppice Stile) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 879 | ... | 51·95 | ... | ... |
| W | Rivington (Gamekeeper's) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 1 | 850 | 45·4 | 55·76 | ... | ... |
| W | Chorley (Filter Beds) | Lt.-Col. F. Hibbert, C.E. | 8 | ... | 430 | ... | 48·79 | ... | ... |
| D | Chorley (Com. Bk. Sew. Wks.) | J. Slater, Esq. | 5 | 1 0 | 186 | ... | 43·63 | 208 | 151 |
| d | *Bretherton (Bank Hall) | R. Douglas Catchment Bd. | 5 | 1 0 | 20 | ... | 40·35 | 196 | 160 |
| D | Bamber Bridge (Cuerden Hall) | J. Alleyne Robinson, Esq. | 5 | 1 0 | 230 | 35·7 | 44·84 | 191 | 162 |
| | **3.—COAST STREAMS. 52 sq. mi.** | | | | | | | | |
| D | Formby (The Dunes) | J. Harold Coney, Esq. | 5 | 0 9 | 30 | 29·8 | 38·54 | 191 | 156 |
| D | SOUTHPORT (BEDFORD RD. PARK) | Town Clerk | 5 | 1 0 | 35 | 32·0 | 39·85 | 193 | 160 |
| D | Rufford (Pulmonary Hospital) | Head Gardener* | 5 | 1 0 | 38 | ... | 39·13 | 171 | 149 |
| D | Southport (Hesketh Park) (+A) | Town Clerk | 8 | 1 0 | 37 | 32·0 | 38·42 | 194 | 149 |
| D | Crossens Pumping Stn. | A. E. Jackson, Esq., C.E. | 5 | 0 4 | 15 | ... | 36·66 | 172 | 151 |
| | **4.—OUSE. Aire. 2 sq. mi.** | | | | | | | | |
| d | Watersheddles Res. No. 2 | A. Boothman, Esq., C.E. | 5 | 1 0 | 1115 | ... | 58·88 | 214 | 194 |
| | Foulridge (Canal Office) | Leeds & Liverpool Canal Co. | 8 | 1 0 | 497 | 43·5 | 48·78 | ... | ... |
| | **NORTH LANCASHIRE. (Area, 609 sq. mi.)** | | | | | | | | |
| | **1.—DUDDON & C. 77 sq. mi.** | | | | | | | | |
| D | Barrow-in-Furness (Gas Works) | Engineer | 5 | 1 0 | 17 | 37·6 | 43·90 | 199 | 153 |
| D | Barrow-in-Furness (Sew. Wks.) (+A) | J. N. Flitcroft, Esq., C.E. | 5 | 1 0 | 20 | 39·3 | 42·63 | 215 | 152 |
| | Barrow-in-Furness (Risedale C. Sch.) | Headmaster | 5 | 1 0 | 55 | ... | 41·79 | ... | ... |
| D | Barrow-in-Furness (Abbey Road) | P. M. Rainey, Esq. | 5 | 1 0 | 128 | ... | 42·49 | 195 | 154 |
| D | Little Urswick (North View) | Miss I. Dobson | 5 | 1 6 | 130 | 44·4 | 50·96 | 234 | 166 |
| D | Ulverston (Poaka Beck) | Engineer, Barrow | 5 | 1 0 | 512 | 52·1 | 56·17 | 221 | 175 |
| W | §Duddon Val. (Seathwaite Tarn) | Engineer, Barrow | 5 | 1 0 | 1221 | 92·7 | 105·82 | ... | ... |
| | **2.—LEVEN & C. 135 sq. mi.** | | | | | | | | |
| D | Cartmel (Holker Hall) | Richard Cavendish, Esq. | 5 | 0 7 | 130 | 44·5 | 45·36 | 202 | 163 |
| D | Ulverston (Pengwerne) | C. J. Chapman, Esq. | 5 | 1 2 | 124 | 50·1 | 58·83 | 222 | 171 |
| D | Haverthwaite (Outwood) | Sir Bryan Fell, K.C.M.G. | 5 | 1 0 | 65 | ... | 62·15 | 216 | 182 |
| D | Cartmel Fell (Tower Wood) | Windermere U.D.C. | 5 | 1 0 | 150 | ... | 65·44 | 217 | 174 |
| D | Torver (Greystones) | J. C. Appleyard, Esq. | 5 | 1 0 | 350 | ... | 79·63 | 231 | 192 |
| D | Coniston (Thwaite Cottage) | E. W. Graham, Esq. | 5 | 1 0 | 150 | ... | 97·25 | 221 | 190 |
| D | Coniston (Holywath) | Mrs. Hext | 8 | 0 9 | 250 | ... | 107·66 | 237 | 194 |

‖ Gauge over-exposed on moor. * *Per* Lancs. C.C. Land Drainage Engineer. § Turf wall round gauge.

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NORTH LANCASHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **2.—LEVEN & C.—(*contd.*).** | | | | | | | | |
| D | Hawkshead (Low House, Sawrey) | Mrs. W. H. Baines | 5 | 1 0 | 342 | 65·3 | 80·23 | 212 | 204 |
| D | Hawkshead (Wraymires Fisheries) | Freshwater Biological Assoc. | 5 | 1 0 | 271 | ... | 78·18 | 224 | 184 |
| d | Hawkshead (Council School) | Headmaster | 5 | 2 0 | 241 | 71·1 | 81·13 | 191 | 178 |
| d | Hawkshead (Keen Ground) | Freshwater Biological Assoc. | 5 | 1 0 | ... | ... | 87·14 | 223 | 178 |
| D | Hawkshead Hill | Miss R. E. Sugden | 5 | 1 0 | 600 | ... | 95·75 | 213 | 184 |
| d | High Wray (Wray Castle) | Freshwater Biological Assoc. | 5 | 1 0 | 202 | ... | 79·64 | 207 | 162 |
| d | High Wray (Huyton Hill School) | Freshwater Biological Assoc. | 5 | 1 0 | ... | ... | 80·06 | (204) | (170) |
| | **3.—KENT & C. 45 sq. mi.** | | | | | | | | |
| d | Heysham Harbour | L.M. & S. Rly. Co. | 5 | 1 0 | 36 | 34·7 | 38·95 | 206 | 150 |
| D | MORECAMBE | Town Clerk | 8 | 1 0 | 23 | 37·0 | 39·69 | 186 | 157 |
| D | Morecambe (Stuart Avenue) | H. W. Apperley, Esq. | 5 | 1 0 | 18 | ... | 42·18 | 194 | 163 |
| D | Morecambe (98 Bare Lane) | K. M. Wolstencroft, Esq. | 5 | 0 11 | 20 | ... | 41·71 | 197 | 161 |
| D | Hest Bank (Greendale) | W. Watson, Esq. | 5 | 1 6 | 97 | ... | 43·36 | 196 | 165 |
| D | Bolton-le-Sands (Hill Close) | Miss F. M. Horner | 5 | 1 0 | 80 | ... | 44·40 | 205 | 162 |
| D | Lindale (Ellerhow) | Lady Tomlinson | 5 | 1 0 | 300 | 51·4 | 57·75 | 200 | 161 |
| | **4.—LUNE. 135 sq. mi.** | | | | | | | | |
| D | Pilling Vicarage | Lancashire County Council | 5 | 1 0 | 19 | ... | 37·66 | 172 | 150 |
| D | Hampson-in-Ellel | John Welch, Esq. | 5 | 1 0 | 145 | 38·3 | 43·94 | 204 | 158 |
| D | Lancaster (Blea Tarn Res.) | L. Lyons, Esq., C.E. | 5 | 1 0 | 330 | ... | 51·84 | 208 | 176 |
| D | Lancaster (Stodday) | L. Lyons, Esq., C.E. | 5 | 1 0 | 25 | ... | 43·08 | 189 | 163 |
| d | Lancaster (Lune Aqueduct) | L.M. & S. Rly. Co. | 8 | 1 0 | 74 | 38·4 | 45·85 | 192 | 162 |
| | **5.—WYRE & C. 213 sq. mi.** | | | | | | | | |
| D | Hornby (The Snab) | A. T. Storey, Esq. | 5 | 1 0 | 110 | ... | 48·72 | 201 | 168 |
| D | Weeton Reservoir | No. 1 Fylde Water Board | 5 | 1 0 | 133 | 36·6 | 42·26 | 203 | 160 |
| D | Fulwood W.W. (Haighton Res.) | Engineer and Surveyor* | 5 | 1 0 | 264 | ... | 46·99 | 210 | 162 |
| D | BLACKPOOL (Stanley Park) | (+A) Medical Officer of Health | 5 | 1 0 | 65 | 33·4 | 37·15 | 192 | 153 |
| D | St. Michael's-on-Wyre (Fairway) | E. W. Hornby, Esq. | 5 | 1 0 | 26 | 36·0 | 42·23 | 192 | 153 |
| D | Fulwood W.W. (Barnsfold Res.) | Engineer & Surveyor* | 5 | 1 0 | 508 | ... | 51·23 | 222 | 169 |
| D | FLEETWOOD (Memorial Park) | Town Clerk | 5 | 1 0 | 21 | ... | 37·65 | 170 | 153 |
| D | Garstang (Barnacre Reservoir) | Fylde Water Board | 5 | 1 0 | 616 | 45·7 | 51·25 | 216 | 171 |
| D | Garstang (Grizedale Reservoir) | Fylde Water Board | 5 | 1 0 | 517 | 43·6 | 48·75 | 212 | 164 |
| | Garstang (Calder Intake) | Fylde Water Board | 5 | 1 0 | 632 | 46·6 | 52·35 | ... | ... |
| | Garstang (Grizedale Intake) | Fylde Water Board | 5 | 1 0 | 644 | 46·6 | 51·40 | ... | ... |
| D | Wyresdale (Abbeystead Res.) | L. Lyons, Esq., C.E. | 5 | 1 0 | 366 | 47·9 | 54·09 | 209 | 180 |
| D | Abbeystead Gardens | Mr. Geo. Penk | 5 | 1 0 | 420 | 50·1 | 53·15 | 219 | 184 |
| D | Damas Ghyll Reservoir | L. Lyons, Esq., C.E. | 5 | 1 0 | 590 | ... | 56·13 | 210 | 180 |
| M | Quernmore (Old Gauge Basin) | L. Lyons, Esq., C.E. | 8 | 1 0 | 963 | 46·1 | 62·12 | ... | ... |
| M | Quernmore (Hare Syke) | L. Lyons, Esq., C.E. | 5 | 1 0 | 1610 | ... | 72·50 | ... | ... |
| | **6.—INSULAR. 4 sq. mi.** | | | | | | | | |

* *Per* Lancashire C.C. Land Drainage Engineer.

# DIVISION IX—YORKSHIRE

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING. (Area, 2,803 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—LUNE. 178 sq. mi.** | | | | | | | | |
| D | High Bentham (Inglefield) | Geoffrey Holmes, Esq. | 5 | 1 0 | 412 | ... | 48·13 | 230 | 174 |
| D | Sedbergh (Brigflatts) | The Misses Wilson | 5 | 1 0 | 305 | 53·0 | 59·45 | 219 | 181 |
| D | Sedbergh School | H. Dawson, Esq. | 5 | 1 0 | 400 | ... | 55·43 | 212 | 176 |
| | **2.—RIBBLE. 225 sq. mi.** | | | | | | | | |
| D | Colne (Lower Coppy) | F. R. Boothman, Esq., C.E. | 5 | 1 7 | 975 | ... | 52·51 | 208 | 185 |
| D | Colne (Laneshaw Res.) | F. R. Boothman, Esq., C.E. | 5 | 1 9 | 795 | ... | 50·84 | 213 | 181 |
| | Barnoldswick (Greenberfield L.) | Leeds & L'pool Canal Co. | 8 | 1 0 | 488 | 41·5 | 46·03 | ... | ... |
| | Slaidburn (Hareden Fell) | E. C. Oakes, Esq., C.E. | 8 | 1 2 | 1300 | ... | 83·60 | ... | ... |
| D | Slaidburn (Hareden Valley) | E. C. Oakes, Esq., C.E. | 8 | 1 2 | 563 | 68·3 | 79·61 | 250 | 196 |
| D | Slaidburn (Langden Brook) | E. C. Oakes, Esq., C.E. | 8 | 1 2 | 559 | 68·6 | 80·57 | 240 | 199 |
| | Slaidburn (Holdron Moss) | E. C. Oakes, Esq., C.E. | 8 | 1 2 | 1300 | ... | 78·72 | ... | ... |
| D | Slaidburn (Dunsop Houses) | G. McKay, Esq., C.E. | 8 | 1 6 | 450 | 62·9 | 70·74 | 201 | 183 |
| | Slaidburn (Middle Knoll) | G. McKay, Esq., C.E. | 5 | 1 0 | 1288 | 67·5 | 72·16 | ... | ... |
| D | Slaidburn (Brennand) | G. McKay, Esq., C.E. | 8 | 1 6 | 820 | 68·3 | 69·09 | 198 | 181 |
| d | Slaidburn (Croasdale House) | G. McKay, Esq., C.E. | 8 | 1 6 | 600 | 51·0 | 65·24 | 196 | 170 |
| D | Slaidburn (Stocks) | No. 11 Fylde Water Board | 5 | 1 0 | 629 | ... | 66·80 | 229 | 192 |
| D | Slaidburn (Stocks) | No. 10 Fylde Water Board | 5 | 1 0 | 658 | ... | 63·74 | 229 | 192 |
| d | Slaidburn (Croasdale Valley) | G. McKay, Esq., C.E. | 8 | 1 6 | 720 | ... | 72·22 | 196 | 176 |
| D | Slaidburn (Whitendale) | G. McKay, Esq., C.E. | 8 | 1 6 | 830 | 70·0 | 78·00 | 196 | 181 |
| | Slaidburn (Dalehead) | Fylde Water Board | 5 | 1 0 | 610 | ... | 63·70 | ... | ... |
| M | Slaidburn (Cabin Hill) | G. McKay, Esq., C.E. | 5 | 1 0 | 1559 | 68·5 | 76·31 | ... | ... |
| M | Slaidburn (Baxton Fell) | G. McKay, Esq., C.E. | 5 | 1 0 | 1525 | 75·8 | 87·29 | ... | ... |
| | Slaidburn (Saddle Hill) | G. McKay, Esq., C.E. | 5 | 1 0 | 1425 | ... | 75·16 | ... | ... |
| | Settle (Catlow) | Fylde Water Board | 5 | 1 0 | 827 | ... | 71·21 | ... | ... |
| | Settle (Lamb Hill) | Fylde Water Board | 5 | 1 0 | 1328 | ... | 77·69 | ... | ... |
| D | Settle (Gas Works) | J. E. Ashworth, Esq. | 8 | 2 6 | 450 | 43·9 | 53·57 | 227 | 165 |
| D | Giggleswick (Belfield) | E. H. Horner, Esq. | 5 | 1 0 | 600 | ... | 47·10 | 210 | 163 |
| | **3.—MERSEY. Irwell. 2 sq. mi.** | | | | | | | | |
| D | Oldham (Strinesdale) | C. Busfield, Esq. | 5 | 1 0 | 791 | 44·7 | 51·07 | 223 | 184 |
| | **4.—MERSEY. UPPER. 35 sq. mi.** | | | | | | | | |
| | Greenfield (Chew, Blindstones) | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1745 | ... | 69·91 | ... | ... |
| | Greenfield (Chew Reservoir) | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1648 | ... | 70·32 | ... | ... |
| D | Greenfield (Lower Chew) | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 825 | ... | 61·21 | 236 | 197 |
| | Greenfield (Chew Sluice) | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1670 | ... | 69·12 | ... | ... |
| D | Greenfield (Sewage Disp. Works) | Manager | 5 | 1 1 | 499 | ... | 51·26 | 214 | 185 |
| D | Greenfield (Yeoman Hey) | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 784 | 49·1 | 58·10 | 237 | 189 |
| W | Greenfield (Ashway Moss) | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1581 | ... | 65·90 | ... | ... |
| W | Greenfield (Birchen Clough) | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1018 | 51·4 | 64·59 | ... | ... |
| W | Greenfield (Upperwood Moor) | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1518 | ... | 67·76 | ... | ... |
| | Saddleworth Station | L.M. & S. Rly. Co. | 5 | 1 0 | 563 | ... | 54·69 | ... | ... |
| D | Standage (Cas. Shaw Broadhead) | C. Busfield, Esq. | 8 | 1 0 | 957 | 51·5 | 64·33 | 256 | 218 |
| D | Denshaw C. E. School | Head Teacher | 8 | 1 1 | 870 | ... | 58·55 | 217 | 202 |
| D | Denshaw (Ox Hey) | C. Busfield, Esq. | 8 | 1 0 | 1031 | 48·9 | 56·08 | 250 | 196 |
| D | Denshaw (Crawshaw Hey) | C. Busfield, Esq. | 8 | 1 0 | 956 | 48·5 | 55·77 | 250 | 195 |
| D | Denshaw (New Year's Bridge) | C. Busfield, Esq. | 8 | 1 0 | 986 | ... | 54·37 | 250 | 196 |

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—TRENT. Derwent. 9 sq. mi.** | | | | | | | | |
| D | Burbage (Parson's House) | Sheffield Corporation W.W. | 8 | 1 0 | 1309 | 36·1 | 50·86 | 220 | 184 |
| | Burbage (Higger Lodge) | Sheffield Corporation W.W. | 5 | 1 0 | 1225 | 36·8 | 49·36 | ... | ... |
| § | Burbage (Upper Burbage) | Sheffield Corporation W.W. | 5 | 1 0 | 1364 | 38·1 | 52·90 | ... | |
| M | Howden Dean | No. 72 Derwent Valley Water Bd. | 5 | 1 0 | 960 | ... | 61·28 | ... | ... |
| M | §Derwent Dale (Howden Cl'gh) | No. 64A Derwent Valley Water Bd. | 5 | 1 0 | 1010 | 44·4 | 59·36 | ... | ... |
| M | §Derwent Dale (Sandy Lee) | No. 7A Derwent Valley Water Bd. | 5 | 1 0 | 1320 | ... | 70·48 | ... | ... |
| | **6.—TRENT. Left Bank Tributaries. 143 sq. mi.** | | | | | | | | |
| D | Austerfield P.S. | Doncaster & Tickhill W. Bd. | 8 | 1 0 | 32 | ... | 27·21 | 192 | 123 |
| D | Rossington Main Colliery | Rossington Colliery Co., Ltd. | 5 | 1 0 | 22 | ... | 29·60 | 188 | 127 |
| D | FINNINGLEY | Meteorological Office | 5 | 1 1 | 28 | ... | 27·66 | 184 | 131 |
| D | Balby (Sewage Works) | W. H. Price, Esq., C.E. | 5 | 1 0 | 29 | ... | 28·98 | 169 | 129 |
| D | Doncaster (Low Pasture P.S.) | W. H. Price, Esq., C.E. | 5 | 1 0 | 24 | ... | 28·98 | 190 | 127 |
| | **7.—OUSE. Don. 574 sq. mi.** | | | | | | | | |
| | Burbage (Badger Ho.) | Sheffield Corporation W.W. | 5 | 1 0 | 1138 | ... | 48·23 | ... | ... |
| D | Sheffield W.W. (Redmires R.) (R) | Sheffield Corporation W.W. | 10 | 5 0 | 1110 | 40·3 | 55·25 | 240 | 177 |
| D | Sheffield W.W. (Redmires R.) | Sheffield Corporation W.W. | 5 | 1 0 | 1110 | 41·0 | 55·11 | 235 | 181 |
| | Rivelin (Oaking Clough) | Sheffield Corporation W.W. | 8 | 1 0 | 1160 | 39·8 | 54·76 | ... | ... |
| | Rivelin (Oaking Clough) No. 2 | Sheffield Corporation W.W. | 5 | 1 0 | 1185 | ... | 55·72 | ... | ... |
| | Rivelin (Middle Moss) | Sheffield Corporation W.W. | 5 | 1 0 | 1168 | 41·0 | 56·95 | ... | ... |
| D | Sheffield W.W. (Rivelin) (+A) | Sheffield Corporation W.W. | 8 | 1 6 | 564 | 35·2 | 47·94 | 220 | 161 |
| | Sheffield W.W. (Black Clough) | Sheffield Corporation W.W. | 5 | 1 0 | 1175 | 40·3 | 58·35 | ... | ... |
| D | Sheffield W.W. (Crookes) | Sheffield Corporation W.W. | 5 | 1 0 | 629 | 31·0 | 41·26 | 206 | 157 |
| D | SHEFFIELD (Weston Pk.) | The Corporation | 5 | 1 0 | 428 | 30·4 | 38·78 | 197 | 144 |
| | Loxley Valley (Crawshaw Wood) | Sheffield Corporation W.W. | 5 | 1 0 | 1175 | ... | 52·89 | ... | ... |
| | Loxley Valley (Broadcar) | Sheffield Corporation W.W. | 5 | 1 0 | 1004 | 44·4 | 56·56 | ... | ... |
| | Loxley Valley (Oakes Fm. Damflask) | Sheffield Corporation W.W. | 5 | 1 0 | 650 | 36·1 | 50·62 | ... | ... |
| | Loxley Valley (Loftshaw, Strines) | Sheffield Corporation W.W. | 5 | 1 0 | 1011 | 43·2 | 56·70 | ... | ... |
| D | Loxley Valley (Bradfield Filters) | Sheffield Corporation W.W. | 8 | 1 0 | 551 | ... | 52·66 | 226 | 174 |
| D | Loxley Valley (Dale Dike Res.) | Sheffield Corporation W.W. | 8 | 1 0 | 715 | 41·9 | 55·93 | 239 | 178 |
| | Loxley Valley (Brogging Moss) | Sheffield Corporation W.W. | 5 | 1 0 | 1360 | ... | 65·36 | ... | ... |
| | Loxley Valley (Thornseat) | Sheffield Corporation W.W. | 5 | 1 0 | 1326 | 42·6 | 57·25 | ... | ... |
| | Loxley Valley (Emlin Moor) | Sheffield Corporation W.W. | 5 | 1 0 | 998 | 41·3 | 55·96 | ... | ... |
| | §Loxley Valley (White Lee Moor) | Sheffield Corporation W.W. | 5 | 1 0 | 1170 | ... | 55·92 | ... | ... |
| | Loxley Valley (Hobson Moss) | Sheffield Corporation W.W. | 5 | 1 0 | 1530 | ... | 61·21 | ... | ... |
| D | Rotherham (Ulley Res.) No. 2 | Vincent Turner, Esq., C.E. | 5 | 1 0 | 184 | 23·4 | 31·27 | 182 | 130 |
| D | Rotherham (Ulley Res.) No. 3 | Vincent Turner, Esq., C.E. | 5 | 1 0 | 132 | 23·2 | 32·15 | 182 | 130 |
| D | Wincobank (Sewage Works) | J. H. Edmondson, Esq. | 5 | 1 6 | 110 | 23·0 | 31·92 | 189 | 134 |
| D | ROTHERHAM (Broom Lane) | L. Atkinson, Esq. | 5 | 1 0 | 284 | ... | 31·45 | 191 | 127 |
| D | Rotherham (Ramsden Rd.) | H. V. Radcliffe, Esq. | 5 | 1 0 | 180 | ... | 33·56 | 177 | 126 |
| D | Rotherham (Kimberworth Sch.) | Vincent Turner, Esq., C.E. | 5 | 1 0 | 258 | 24·7 | 30·68 | 182 | 130 |
| D | Rotherham (Thrybergh) | W. H. Price, Esq., C.E. | 8 | 1 0 | 184 | 23·8 | 34·02 | 194 | 143 |
| D | Ecclesfield (Sewage Works) | J. Gregory, Esq., C.E. | 5 | 0 7 | 172 | 25·6 | 34·52 | 180 | 137 |
| D | Conisborough (Firsby Res.) | W. H. Price, Esq., C.E. | 8 | 1 4 | 189 | 26·1 | 37·23 | 196 | 145 |
| | §Ewden (Middle Moss) | Sheffield Corporation W.W. | 5 | 1 0 | 1600 | 51·0 | 66·89 | ... | ... |
| | Ewden (Broomhead Moor) | Sheffield Corporation W.W. | 5 | 1 0 | 1370 | 47·8 | 61·22 | ... | ... |
| D | Ewden (Canyard Brook) | Sheffield Corporation W.W. | 5 | 1 0 | 585 | ... | 52·65 | 216 | 164 |
| | Ewden (Candle Rush) | Sheffield Corporation W.W. | 5 | 1 0 | 1400 | ... | 67·59 | ... | ... |
| | Ewden (Broomhead Hall) | Sheffield Corporation W.W. | 5 | 1 0 | 905 | 42·1 | 49·06 | ... | ... |
| D | Ewden (More Hall Reservoir) | Sheffield Corporation W.W. | 8 | 1 0 | 408 | 33·9 | 44·89 | 214 | 156 |
| D | Ewden (Broomhead Res.) | Sheffield Corporation W.W. | 5 | 1 0 | 484 | ... | 49·42 | 215 | 161 |

§ Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **7.—OUSE. Don.—(*contd.*).** | | | | | | | | |
| | Ewden (Margery Hill) ... | ... No. 2 Sheffield Corporation W.W. | 5 | 1 0 | 1784 | 52·3 | 68·75 | ... | ... |
| | Ewden (Brown Edge) ... | ... ... Sheffield Corporation W.W. | 5 | 1 0 | 1325 | 50·5 | 60·42 | ... | ... |
| d | Wentworth Woodhouse | ... ... Mr. A. Wilson ... ... | 5 | 0 10 | 360 | 27·2 | 40·69 | ... | 149 |
| D | Mexborough ... ... | ... ... Surveyor, U.D.C. ... ... | 5 | 1 6 | 77 | 23·4 | 29·13 | 183 | 128 |
| D | Wortley (Service Reservoir) | ... ... W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 700 | 30·0 | 41·90 | 230 | 158 |
| D | Midhope Moor (Barnside) | ... ... W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1000 | 43·4 | 60·04 | 233 | 192 |
| | Little Don Val. (Laund Clough) | ... Sheffield Corporation W.W. | 5 | 1 0 | 1515 | ... | 68·35 | ... | ... |
| D | Little Don Val. (Underbank Res.) | ... Sheffield Corporation W.W. | 8 | 1 6 | 604 | 36·8 | 47·06 | 220 | 160 |
| | Little Don Val. (Brockholes) ... | ... Sheffield Corporation W.W. | 5 | 1 0 | 902 | 37·6 | 48·04 | ... | ... |
| | Little Don Val. (Sheep House) | ... Sheffield Corporation W.W. | 5 | 1 6 | 945 | 34·6 | 45·28 | ... | ... |
| D | Langsett Moor (Midhope) ... | ... W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 823 | ... | 56·90 | 227 | 179 |
| D | Langsett Moor (Up. Midhope) | ... Sheffield Corporation W.W. | 8 | 1 6 | 925 | 41·6 | 52·59 | 228 | 171 |
| § | Langsett Moor (Mickleden) ... | ... Sheffield Corporation W.W. | 5 | 1 0 | 1217 | 48·0 | 65·78 | ... | ... |
| | Langsett Moor (Mickleden Edge) | ... Sheffield Corporation W.W. | 5 | 1 0 | 1110 | 50·3 | 67·56 | ... | ... |
| | Langsett Moor (Catclough) ... | ... Sheffield Corporation W.W. | 8 | 1 0 | 1516 | 47·8 | 67·47 | ... | ... |
| | §Langsett Moor (Fiddlers Green) | ... Sheffield Corporation W.W. | 8 | 1 6 | 1493 | 48·7 | 66·18 | ... | ... |
| | Langsett Moor (Fiddlers G..) *Check* | Sheffield Corporation W.W. | 5 | 1 0 | 1480 | 49·1 | 67·80 | ... | ... |
| | §Dunford Edge (Woodld. Cl'gh) No. 11 | G. E. V. Boldry, Esq., C.E. | 5 | 1 0 | 1440 | ... | 67·70 | ... | ... |
| | §Dunford Edge (Brown's Cl'gh) No. 10 | G. E. V. Boldry, Esq., C.E. | 5 | 1 0 | 1405 | ... | 75·10 | ... | ... |
| | Langsett Moor (Border Hill) ... | ... Sheffield Corporation W.W. | 5 | 1 0 | 1148 | 46·9 | 60·82 | ... | ... |
| D | Langsett Moor (Swinden Lodge) (+A) | Sheffield Corporation W.W. | 8 | 1 0 | 1032 | 44·0 | 54·74 | 245 | 180 |
| D | Langsett Moor (Flouch Road) | ... Sheffield Corporation W.W. | 8 | 1 0 | 960 | 42·2 | 54·98 | 230 | 174 |
| d | Thurgoland (Spring House) ... | ... Major K. C. Banks... ... | 5 | 1 0 | 610 | ... | 39·40 | 197 | 138 |
| D | Wath-upon-Dearne (Chapel St.) | ... Dr. T. Crowley ... ... | 8 | 1 3 | 188 | 24·8 | 31·59 | 172 | 119 |
| D | Hoyland Nether (King St.) ... | ... Dearne Valley Water Bd. ... | 5 | 1 6 | 500 | ... | 32·76 | 184 | 142 |
| W | §Hazlehead (Town Brook Intake) | ... W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1037 | ... | 61·14 | ... | ... |
| W | §Dunford Bridge (Long Grain) | ... W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1125 | ... | 64·69 | ... | ... |
| d | §Wogden Foot (Cat Clough) ... | ... W. G. Lees, C.E. ... ... | 5 | 1 0 | 889 | ... | 61·41 | 219 | 184 |
| D | Doncaster (Pumping Station) | ... W. H. Price, Esq., C.E. ... | 5 | 1 0 | 31 | ... | 30·19 | 178 | 128 |
| D | Bolton-on-Dearne (Goldthorpe) | ... E. Washington, Esq. ... | 5 | 1 0 | 93 | 24·3 | 31·57 | 179 | 124 |
| | §Dunford Bridge (Deardon Moss) | ... G. E. V. Boldry, Esq., C.E. | 5 | 1 0 | 1500 | ... | 73·30 | ... | ... |
| D | Dunford Bridge (Stoney Gate) | ... G. E. V. Boldry, Esq., C.E. | 5 | 1 0 | 1086 | ... | 64·27 | 237 | 192 |
| | §Dunford Bridge (End Springs) | ... G. E. V. Boldry, Esq., C.E. | 5 | 1 0 | 1450 | ... | 72·60 | ... | ... |
| D | §Dunford Bridge Res. ... ... | ... G. E. V. Boldry, Esq., C.E. | 5 | 1 0 | 1081 | ... | 68·01 | 244 | 196 |
| | Dunford Bridge (Grains Plantations) | G. E. V. Boldry, Esq., C.E. | 5 | 1 0 | 1150 | ... | 64·20 | ... | ... |
| | §Dunford Bridge (Swiner Clough Moss) | G. E. V. Boldry, Esq., C.E. | 5 | 1 0 | 1503 | ... | 75·00 | ... | ... |
| d | Wombwell (Broomhill W.W.) | ... Dearne Valley Water Bd. ... | 5 | 1 6 | 75 | ... | 32·03 | 167 | 132 |
| D | §Dunford Bridge (Harden) ... | ... G. E. V. Boldry, Esq., C.E. | 5 | 1 0 | 1204 | ... | 66·28 | 243 | 195 |
| | §Dunford Bridge (Reaps Slack) | ... G. E. V. Boldry, Esq., C.E. | 5 | 1 0 | 1490 | ... | 72·85 | ... | ... |
| D | Darfield (Sewage Works) ... | ... Surveyor ... ... ... | 5 | 1 0 | 83 | ... | 32·13 | 160 | 130 |
| D | §Penistone (Royd Moor) ... | ... W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 835 | ... | 47·15 | 222 | 152 |
| M | Penistone (Gringley Carr) ... | ... W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1090 | ... | 52·95 | ... | ... |
| D | Penistone (Ingbirchworth Res.) | ... W. G. Lees, Esq., C.E. ... | 5 | 1 6 | 853 | 38·0 | 44·32 | 212 | 155 |
| | Penistone (Spicer House) ... | ... W' G. Lees, Esq., C.E. ... | 5 | 1 0 | 985 | ... | 48·95 | ... | ... |
| D | §Penistone (Broadstone Res.) ... | ... W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1030 | ... | 53·23 | 228 | 177 |
| W | Hepworth (Pottersgate Ho.) ... | ... W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1165 | ... | 49·39 | ... | ... |
| D | Barnsley (Jordan Hill) ... ... | ... W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 460 | 26·2 | 31·08 | 177 | 124 |
| D | Doncaster (Sandall Works) ... | ... W. H. Price, Esq., C.E. ... | 5 | 1 0 | 41 | ... | 30·37 | 199 | 135 |
| D | Bentley Colliery... ... ... | ... National Coal Board ... | 5 | 1 0 | 23 | ... | 30·13 | 162 | 129 |
| D | Cawthorne (Cannon Hall) ... | ... J. M. Spencer Stanhope, Esq. | 5 | 0 11 | 418 | 29·1 | 35·57 | 166 | 130 |
| D | Barnsley (Burntwood Hall) ... | ... R. Dymond, Esq. ... ... | 5 | 1 0 | 378 | 25·9 | 33·20 | 193 | 136 |
| D | Kirk Bramwith ... ... ... | ... C. E. Farran, Esq. ... ... | 5 | 2 6 | 22 | 23·2 | 27·71 | 171 | 125 |
| D | Rawcliffe (Black Drain P.S.) ... | ... G. H. Simmons, Esq. ... | 5 | 0 10 | 12 | ... | 26·40 | 174 | 120 |
| D | Goole ... ... ... ... | ... Aire & Calder Navigation | 5 | 1 0 | 18 | 22·9 | 27·24 | 189 | 128 |

§ Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **8.—OUSE. Aire. Calder. 361 sq. mi.** | | | | | | | | |
| D | Great Hey | H. P. Joyce, Esq., C.E. | 5 | 1 0 | 1200 | ... | 79·55 | 243 | 200 |
| D | Hey Springs | H. P. Joyce, Esq., C.E. | 5 | 1 0 | 1100 | ... | 77·01 | 243 | 201 |
| D | Holmbridge (Yateholme) | H. P. Joyce, Esq., C.E. | 5 | 1 0 | 1009 | 59·2 | 75·22 | 243 | 200 |
| D | Holmbridge (Ramsden) | H. P. Joyce, Esq., C.E. | 5 | 1 0 | 861 | 56·4 | 70·59 | 243 | 198 |
| | Holmbridge (Bilberry Res.) | J. P. Beveridge, Esq., C.E. | 5 | 1 0 | 970 | ... | 62·94 | ... | ... |
| D | Holmfirth (Holme Styes Res.) | Water Engineer | 5 | 2 0 | 925 | 45·7 | 53·82 | 233 | 172 |
| | Holmfirth (Boshaw Whams Res.) | J. P. Beveridge, Esq., C.E. | 5 | 1 0 | 930 | ... | 52·39 | ... | ... |
| | §Hepworth (Spring Head) (A) | W. G. Lees, Esq. | 5 | 1 0 | 1165 | ... | 52·51 | ... | ... |
| | Holmfirth (Snape Res.) | Water Engineer | 5 | 1 0 | 1065 | ... | 57·39 | ... | ... |
| | Meltham (Harden Moss) | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1212 | ... | 66·46 | ... | ... |
| | Wessenden Head | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1270 | ... | 65·24 | ... | ... |
| | Wessenden (Holly Bank Moss) | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1280 | ... | 66·56 | ... | ... |
| | Wessenden (Old Reservoir) | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 940 | ... | 64·08 | ... | ... |
| | Standedge (Redbrook Res.) | L. M. & S. Rly. Co. | 5 | 1 0 | 1150 | ... | 62·00 | ... | ... |
| | Wessenden (Butterley Moss) | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1110 | ... | 63·26 | ... | ... |
| | §Wessenden (Bobus) | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1200 | ... | 60·16 | ... | ... |
| | Meltham (Brow Grains) | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 900 | 45·0 | 58·58 | 230 | 183 |
| d | Meltham (Royd Edge) | United Thread Mills, Ltd. | 8 | 1 0 | 585 | 48·3 | 60·76 | ... | ... |
| | Meltham Grange | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 850 | 42·9 | 54·87 | 226 | 181 |
| | *Marsden Reservoir | L.M. & S. Rly. Co. | 5 | 1 0 | 657 | 50·5 | 61·78 | ... | ... |
| D | Marsden (Deer Hill) | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1149 | ... | 64·19 | 261 | 201 |
| D | Slaithwaite (Blackmoorfoot) | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 800 | 43·1 | 51·14 | 226 | 180 |
| D | Slaithwaite (Inglewood) | J. Woodhead, Esq. | 5 | 1 0 | 546 | 43·5 | 54·21 | 235 | 186 |
| D | Slaithwaite (Deanhead Res.) | J. P. Beveridge, Esq., C.E. | 5 | 1 0 | 1007 | ... | 62·69 | 247 | 196 |
| D | Huddersfield (Stone's Lane Golcar) | Miss M. J. R. Sykes | 5 | 0 10 | 400 | 39·00 | 49·84 | 187 | 162 |
| D | HUDDERSFIELD (OAKES) | S. Morris Bower, Esq. | 5 | 1 0 | 761 | 34·9 | 44·13 | 213 | 165 |
| W | Moss Moor (Linsgreave) | Wakefield Corpn. W.W. | 5 | 1 0 | 1264 | 52·3 | 62·08 | ... | ... |
| D | Rishworth (G. Walden Edge) | Wakefield Corpn. W.W. | 5 | 1 0 | 1135 | 49·3 | 60·75 | 259 | 207 |
| W | Rishworth (Long Clough) | Wakefield Corpn. W.W. | 5 | 1 0 | 1000 | 52·8 | 63·52 | ... | ... |
| W | Rishworth (Stott Hall) | Wakefield Corpn. W.W. | 5 | 1 0 | 935 | 46·8 | 60·74 | ... | ... |
| D | §Rishworth Lodge | Wakefield Corpn. W.W. | 5 | 0 11 | 950 | ... | 57·44 | 241 | 192 |
| D | Rishworth (Green Withens Res.) | Wakefield Corpn. W.W. | 5 | 1 0 | 1205 | 48·2 | 58·45 | 247 | 196 |
| W | Rishworth (Pike End) | Wakefield Corpn. W.W. | 5 | 1 0 | 1225 | 48·3 | 61·84 | ... | ... |
| D | Rishworth (Ringstone Res.) (*lower*) | Wakefield Corpn. W.W. | 5 | 1 0 | 962 | 46·9 | 63·09 | 238 | 191 |
| W | Soyland Moor (Greystones) | Wakefield Corpn. W.W. | 5 | 1 4 | 1192 | 52·6 | 58·43 | ... | ... |
| D | Soyland Moor (Rishworth Drain) | C. Busfield, Esq. | 8 | 1 0 | 1290 | 52·9 | 59·57 | 239 | 186 |
| W | Soyland Moor (Summit) (East) | Wakefield Corpn. W.W. | 5 | 0 11 | 1218 | 52·9 | 60·25 | ... | ... |
| D | Soyland Moor (Stansfield Hey) | Wakefield Corpn. W.W. | 5 | 1 0 | 700 | 43·3 | 48·31 | 220 | 175 |
| W | Soyland Moor (Baitings) | Wakefield Corpn. W.W. | 5 | 1 0 | 943 | 51·4 | 57·29 | ... | ... |
| D | Soyland Moor (Byron Edge) | C. Busfield, Esq. | 8 | 1 0 | 1251 | 48·3 | 60·65 | 238 | 189 |
| W | Soyland Moor (Manshead) | Wakefield Corpn. W.W. | 5 | 1 0 | 1225 | 51·6 | 55·84 | ... | ... |
| D | Walsden (White Holme) | C. Busfield, Esq. | 8 | 1 0 | 1240 | ... | 55·38 | 237 | 184 |
| D | Walsden (Calf Lee) | Rochdale Corporation | 8 | 1 0 | 960 | ... | 57·74 | 239 | 189 |
| D | Walsden (Warland Res.) | Rochdale Corporation | 8 | 1 0 | 1245 | 48·6 | 55·13 | 238 | 177 |
| D | Walsden (Warland Drain) | Rochdale Corporation | 8 | 1 0 | 1250 | 51·9 | 62·75 | 238 | 184 |
| D | Wakefield (Sewage Works) | J. H. Garner, Esq., B.Sc. | 5 | 1 0 | 80 | ... | 30·57 | 188 | 126 |
| D | WAKEFIELD (Clarence Park) | Corporation | 5 | 1 0 | 115 | 25·4 | 31·48 | 211 | 126 |
| D | Normanton (Haw Hill Park) | Surveyor U.D.C. | 8 | 1 1 | 136 | 23·3 | 30·10 | 186 | 130 |
| W | Walsden (Ramsden Hill) | Rochdale Corporation | 5 | 1 0 | 1326 | 52·0 | 60·00 | ... | ... |
| D | Walsden (Ramsden Reservoir) | Rochdale Corporation | 5 | 1 0 | 993 | 52·7 | 60·18 | 211 | 184 |
| D | Todmorden (Gorpley Res.) | Borough Engineer | 5 | 1 3 | 900 | ... | 64·38 | 241 | 187 |
| D | Todmorden (Fielden Hospital) | L. A. Crabtree, Esq. | 5 | 1 0 | 650 | ... | 58·88 | 231 | 178 |
| D | Todmorden (Lower Laith) | D. A. Lord, Esq., F.R.Met.S. | 5 | 1 0 | 500 | ... | 60·14 | 244 | 187 |
| D | Todmorden (Sourhall Hospital) | L. A. Crabtree, Esq. | 5 | 1 0 | 1020 | 53·8 | 63·14 | 246 | 193 |

§ Turf wall round gauge. * Gauge on a steep bank.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | | *in.* | *ft.* | *in.* *t.* | *in.* | *in.* | | |
| | **8.—OUSE. Aire. Calder—(*contd.*).** | | | | | | | | | |
| d | Halifax (Public Library) | ... ... | Librarian ... ... ... | 8 | 1 | 0 625 | 34·3 | 40·10 | 213 | 157 |
| D | *Dewsbury (Mitchell Laithes Sew. Wks.) | | Manager ... ... ... | 5 | 1 | 0 115 | ... | 30·35 | 189 | 128 |
| D | Dewsbury (Municipal Offices) | (+A) | Borough Engineer ... ... | 5 | 1 | 6 225 | ... | 30·56 | 182 | 124 |
| D | Dewsbury (Crow Nest Park) ... | ... | Superintendent of Parks ... | 8 | 1 | 0 256 | ... | 32·26 | 181 | 144 |
| D | Heckmondwike (The Bottoms) | ... | Spenborough U.D.C. ... | 5 | 1 | 0 165 | ... | 33·00 | 185 | 139 |
| d | Batley (Staincliffe Reservoir) ... | ... | H. P. Joyce, Esq., C.E. ... | 5 | 1 | 0 492 | 25·3 | 31·97 | 173 | 122 |
| D | Ardsley (Jaw Hill Filters) ... | ... | Wakefield Corpn. W.W. ... | 5 | 1 | 0 315 | 25·8 | 31·31 | 184 | 131 |
| D | Halifax W.W. (Albert Res.) ... | ... | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 795 | 35·3 | 42·45 | 205 | 163 |
| D | Halifax W.W. (Gibbet Res.) ... | ... | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 565 | 34·6 | 42·59 | 209 | 165 |
| D | Todmorden (Eastwood Sew. Wks.) | ... | Manager ... ... ... | 5 | 1 | 0 368 | ... | 55·43 | 214 | 172 |
| D | Mytholmroyd (Redacre) ... | ... | C. H. Brock, Esq. ... ... | 5 | 1 | 0 315 | ... | 53·46 | 227 | 179 |
| D | Halifax W.W. (Ramsden Wood) | ... | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 815 | 38·3 | 49·11 | 217 | 172 |
| D | §Halifax W.W. (Castle Carr Lo.) | ... | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 1060 | 42·6 | 53·08 | 233 | 194 |
| W | §Halifax W.W. (Gorple Res.) ... | No. 2 | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 1275 | ... | 63·92 | ... | ... |
| W | Halifax W.W. (Midgley Moor) | ... | H. F. Lea, Esq., C.E. ... | 8 | 1 | 0 1350 | 44·3 | 50·36 | ... | ... |
| W | §Halifax W.W. (Gorple Res.) ... | No. 3 | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 1160 | ... | 58·43 | ... | ... |
| W | Halifax W.W. (Warley Moor) | ... | H. F. Lea, Esq., C.E. ... | 8 | 1 | 0 1325 | 43·0 | 50·70 | ... | ... |
| D | Halifax W.W. (Ogden) ... | ... | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 990 | 43·5 | 47·82 | 220 | 173 |
| W | Halifax W.W. (Ovenden Moor) | ... | H. F. Lea, Esq., C.E. ... | 8 | 1 | 0 1375 | 41·8 | 52·83 | ... | ... |
| D | §Halifax W.W. (Gorple Res.) ... | ... | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 1028 | ... | 58·23 | 230 | 189 |
| W | Halifax W.W. (Widdop Res.) | No. 4 | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 1060 | ... | 61·00 | ... | ... |
| D | §Halifax W.W. (Widdop Res.) | No. 2 | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 1065 | ... | 58·44 | 232 | 193 |
| W | §Halifax W.W. (Widdop Res. ) | No. 3 | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 1060 | ... | 56·15 | ... | ... |
| D | §Halifax W.W. (Walshaw Dean L.) | ... | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 1040 | 48·1 | 61·16 | 244 | 197 |
| W | §Halifax W.W. (Walshaw Dean) | No. 3 | H. F. Lea, Esq., C.E. ... | ... | 1 | 0 1180 | ... | 62·94 | ... | ... |
| W | §Halifax W.W. (Widdop Res.) | No. 5 | H. F. Lea, Esq., C.E. ... | 5 | 1 | 0 1280 | ... | 66·28 | ... | ... |
| W | §Halifax W.W. (Walshaw Dean) | No. 4 | H. F. Lea, Esq., C.E. ... | ... | 1 | 0 1425 | ... | 61·69 | ... | ... |
| | **9.—OUSE. Aire. 504 sq. mi.** | | | | | | | | | |
| D | PONTEFRACT (The King's School) | ... | Headmaster ... ... ... | 5 | 1 | 0 255 | 23·3 | 30·27 | 183 | 119 |
| D | Pontefract (Roall W.W.) ... | ... | W. H. Newton, Esq., C.E. | 8 | 1 | 0 42 | 23·0 | 30·59 | 175 | 129 |
| D | Goole (Sewage Pumping Stn.) | ... | Borough Engineer ... ... | 5 | 1 | 0 10 | ... | 25·44 | 172 | 119 |
| | Rothwell (Lemonroyd Sew. Wks.) | ... | Rothwell U.D.C. ... ... | 5 | 1 | 0 64 | ... | 29·35 | 186 | 123 |
| | Selby (Brayton Barff W.W.) ... | ... | Waterworks Engineer ... | 8 | 1 | 0 173 | ... | 28·98 | 166 | 125 |
| | Bradford (Brayshaw Reservoir) | ... | Waterworks Engineer ... | 5 | 1 | 0 982 | 36·5 | 44·11 | ... | ... |
| D | BRADFORD (Lister Park) ... | ... | Corporation ... ... | 8 | 1 | 0 439 | 33·9 | 37·56 | 200 | 155 |
| D | Bradford (Thornton Moor Filters) | ... | Waterworks Engineer ... | 5 | 1 | 0 1190 | 44·3 | 50·00 | 257 | 184 |
| D | Bradford (Stubden Res.) ... | No. 8 | Waterworks Engineer ... | 5 | 1 | 0 1071 | 44·9 | 50·03 | 224 | 172 |
| M | Bradford (Nan Scar, Oxenhope) | ... | Waterworks Engineer ... | 5 | 1 | 0 1101 | ... | 56·70 | ... | ... |
| M | Bradford (Stairs Top, Oxenhope) | ... | Waterworks Engineer ... | 5 | 1 | 0 1360 | 52·4 | 59·00 | ... | ... |
| D | Bradford (Leeming Reservoir) | ... | Waterworks Engineer ... | 5 | 1 | 0 850 | ... | 51·85 | 224 | 185 |
| D | Bradford (Doe Park Reservoir) | ... | Waterworks Engineer ... | 5 | 1 | 0 754 | ... | 48·85 | 212 | 172 |
| D | Bradford (Leeshaw Res.) ... | ... | Waterworks Engineer ... | 5 | 1 | 0 875 | 47·3 | 55·95 | 225 | 191 |
| d | Bradford (Chellow Dean Res.) | ... | Waterworks Engineer ... | 5 | 1 | 0 645 | 34·5 | 41·91 | ... | ... |
| d | Bradford (Chellow Heights Res.) | ... | Waterworks Engineer ... | 5 | 1 | 0 848 | ... | 42·52 | 182 | 162 |
| D | Bradford (Hewenden Reservoir) | ... | Waterworks Engineer ... | 5 | 1 | 0 677 | ... | 47·73 | 215 | 168 |
| D | Bradford (Heaton Reservoir) ... | ... | Waterworks Engineer ... | 5 | 1 | 0 531 | ... | 39·52 | 197 | 158 |
| | Leeds (Wortley Reservoir) ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 | 9 307 | 28·1 | 32·64 | 198 | 134 |
| | Leeds (Knostrop) ... ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 | 9 72 | 24·0 | 29·16 | 178 | 135 |
| | Leeds (Woodhouse Moor) ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 | 9 307 | 26·7 | 33·24 | 214 | 147 |
| D | Seacroft (Leeds City Hospital) | ... | Medical Superintendent ... | 8 | 1 | 0 235 | 29·3 | 33·34 | 165 | 137 |
| | Leeds (Weetwood Res.) ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 | 9 328 | 27·5 | 32·69 | 196 | 140 |
| | Haworth (Harbour Lodge) ... | ... | A. Boothman, Esq., C.E. ... | 8 | 1 | 0 1165 | 52·5 | 54·87 | 206 | 177 |

* Exposure unorthodox. § Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·01 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **9.—OUSE. Aire—(*contd.*).** | | | | | | | | | |
| D | Haworth (Lower Laithe Res.)... | (+A) | A. Boothman, Esq., C.E. ... | 6 | 1 0 | 772 | 48·1 | 54·61 | 224 | 186 |
| D | §Oakworth (Oldfield Filters) ... | No. 2 | A. Boothman, Esq., C.E. ... | 5 | 1 0 | 978 | ... | 54·66 | 223 | 190 |
| | §Oakworth (Keighley Moor) ... | ... | A. Boothman, Esq., C.E. ... | 5 | 1 0 | 1300 | ... | 57·00 | ... | ... |
| | §Oakworth (Clough Hey) ... | ... | A. Boothman, Esq., C.E. ... | 5 | 1 0 | 1075 | ... | 55·54 | ... | ... |
| W | Oakworth (Newsholme Dean) | ... | A. Boothman, Esq., C.E. ... | 5 | 1 0 | 675 | ... | 50·99 | ... | ... |
| | §Oakworth (Keighley Moor) ... | No. 2 | A. Boothman, Esq., C.E. ... | 5 | 1 0 | 1025 | ... | 57·98 | ... | ... |
| D | Rawdon (Micklefield House) ... | ... | Aireborough U.D.C. ... | 5 | 1 0 | 579 | 29·0 | 33·14 | 195 | 145 |
| D | BINGLEY (St. Ives Res. Stn.) ... | ... | Director ... ... ... | 8 | 1 0 | 610 | ... | 40·60 | 206 | 157 |
| D | §Bingley (Gilstead Filters) ... | ... | Engineer, Bradford W.W. | 5 | 1 0 | 572 | ... | 40·88 | 199 | 162 |
| D | Adel (Lawns Wood Cemetery) | ... | W. R. Pearson, Esq. ... | 5 | 1 1 | 470 | ... | 35·41 | 196 | 148 |
| D | Keighley (The Knowle) ... | ... | P. Clough, Esq. ... ... | 5 | 1 0 | 390 | ... | 40·42 | 213 | 158 |
| D | Keighley (Hard Ings Lane) ... | ... | Medical Officer of Health ... | 5 | 0 10 | 304 | 35·7 | 39·77 | 196 | 153 |
| | Bingley (Sunnydale Reservoir) | ... | Engineer, Bradford W.W. | 5 | 1 0 | 825 | 33·1 | 37·72 | ... | ... |
| D | Guiseley (Moortop) ... ... | ... | Aireborough U.D.C. ... | 8 | 1 9 | 735 | ... | 34·93 | 173 | 138 |
| d | Salterforth (Barnoldswick W.W.) | ... | Barnoldswick U.D.C. ... | 8 | 1 4 | 832 | 46·6 | 55·09 | 219 | 162 |
| D | Earby (Sewage Works)... ... | (+A) | Surveyor ... ... ... | 5 | 1 9 | 426 | 39·3 | 48·19 | 200 | 161 |
| M | Silsden (Gill Grange) ... ... | ... | Engineer, Bradford W.W. | 5 | 1 0 | 883 | 30·8 | 37·66 | ... | ... |
| D | Silsden Reservoir ... ... | ... | Engineer, Bradford W.W. | 5 | 1 0 | 560 | ... | 39·16 | 201 | 162 |
| M | Silsden (Cringles Res. Site) ... | ... | Engineer, Bradford W.W. | 5 | 1 0 | 715 | 31·3 | 38·05 | ... | ... |
| D | Elslack (Stories Farm) ... | ... | Barnoldswick U.D.C. ... | 5 | 0 7 | 675 | ... | 48·85 | 212 | 169 |
| D | Skipton (Town Hall) ... ... | (+A) | K. B. Robinson, Esq. ... | 8 | 1 10 | 367 | 33·5 | 40·11 | 204 | 166 |
| | Gargrave (Ray Bridge Hill) ... | ... | Leeds & L'pool Canal Co. | 8 | 0 10 | 459 | 34·2 | 47·41 | ... | ... |
| | **10.—OUSE. Wharfe. 408 sq. mi.** | | | | | | | | | |
| D | Tadcaster (Church Fenton) ... | ... | Meteorological Office ... | 8 | 1 0 | 27 | ... | 27·55 | 175 | 123 |
| | Adel (Eccup, East) ... ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 375 | 29·3 | 36·11 | 192 | 148 |
| | Harewood (Arthington) ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 139 | 32·0 | 36·19 | 201 | 155 |
| D | Harewood House ... ... | ... | Earl of Harewood ... ... | 5 | 0 10 | 300 | 29·7 | 35·26 | 165 | 132 |
| D | Otley (Sewage Works) ... ... | ... | J. A. A. Pratt, Esq.... ... | 5 | 1 0 | 172 | ... | 35·86 | 179 | 135 |
| D | ILKLEY (Spence's Garden) ... | ... | Engineer & Surveyor ... | 5 | 1 0 | 315 | 35·1 | 41·99 | 203 | 160 |
| d | ASKHAM BRYAN (Exptl. Farm) | ... | University of Leeds ... | 5 | 1 0 | 90 | ... | 25·86 | ... | ... |
| | Leathley (Lindley Wood S.) ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 312 | 31·6 | 38·61 | 195 | 150 |
| D | Ilkley (March Ghyll Reservoir) | ... | J. A. A. Pratt, Esq.... ... | 5 | 1 0 | 655 | 34·0 | 36·75 | 191 | 156 |
| D | York (Bishopthorpe Road) ... | ... | J. Terry & Sons, Ltd. ... | 5 | 1 0 | 54 | ... | 28·01 | 174 | 132 |
| D | York (Acomb Landing) ... | ... | York W.W. Co. ... ... | 5 | 1 0 | 40 | 22·6 | 29·61 | 193 | 142 |
| M | Skipton (Counter Hill) ... | ... | Engineer, Bradford, W.W.... | 5 | 1 0 | 951 | 30·2 | 40·47 | ... | ... |
| D | Skipton (Chelker Reservoir) ... | ... | Engineer, Bradford W.W. | 5 | 1 0 | 730 | 32·9 | 40·58 | 211 | 177 |
| D | Beamsley (Overdale) ... ... | ... | A. Downs, Esq. ... ... | 5 | 1 0 | 425 | ... | 40·13 | 214 | 163 |
| | Fewston (Timble Ings) ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 912 | 35·5 | 43·76 | 193 | 152 |
| | Fewston (Swinsty, East) ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 460 | 34·4 | 43·05 | 189 | 150 |
| | Fewston, North ... ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 525 | ... | 42·39 | 204 | 153 |
| | Fewston (Blubberhouses) ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 575 | 37·1 | 48·01 | 217 | 165 |
| D | Bolton Abbey Estate Office ... | ... | E. E. Hey, Esq. ... ... | 5 | 1 2 | 368 | 36·3 | 42·66 | 211 | 164 |
| D | §Barden Reservoir ... ... | ... | Engineer, Bradford W.W. | 5 | 1 0 | 746 | 41·8 | 50·73 | 227 | 187 |
| M | Upper Barden Reservoir ... | ... | Engineer, Bradford W.W. | 5 | 1 0 | 1164 | ... | 55·54 | ... | ... |
| | Rocking Moor (Spittle Ings) ... | ... | K. L. Forster, Esq., C.E. ... | 5 | ... ... | 967 | ... | 51·55 | 225 | 179 |
| | Thruscross (Lane Head) ... | ... | K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 950 | ... | 48·43 | 202 | 178 |
| | §Burnsall (Thorpe Fell) ... | ... | Engineer, Bradford W.W. | 5 | 1 0 | 1661 | ... | 57·08 | ... | ... |
| | Burnsall (Sandbed Beck) ... | ... | Engineer, Bradford W.W. | 5 | 1 0 | 676 | 41·0 | 51·90 | ... | ... |
| | Braithwaite Moor (High House) | ... | K. L. Forster, Esq., C.E. ... | 5 | ... ... | 1068 | ... | 52·25 | 224 | 181 |
| d | Threshfield (Far Croft) ... | ... | Mrs. D. Sampson ... ... | 5 | 1 0 | 650 | ... | 48·63 | 222 | (184) |
| D | Grimwith Reservoir ... ... | ... | Engineer, Bradford W.W. | 5 | 1 0 | 884 | 43·9 | 51·50 | 226 | 184 |
| M | Grimwith (Trunla Hill) ... | ... | Engineer, Bradford W.W. | 5 | 1 0 | 1201 | ... | 54·85 | ... | ... |
| D | Oughtershaw Hall ... ... | ... | Mr. T. White ... ... | 5 | 1 6 | 1175 | ... | 76·07 | 246 | 197 |

§ Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **11.—OUSE. Nidd. 254 sq. mi.** | | | | | | | | |
| D | Wetherby (Stockheld Park) ... | ... C. E. Johnson, Esq. ... | 5 | 1 2 | 200 | 25·8 | 33·49 | 154 | 131 |
| | Spofforth (Sewage Works) ... | ... Borough Corporation ... | 5 | 1 0 | 181 | 27·0 | 32·52 | 210 | 155 |
| M | Harrogate W.W. (Ling Cottage) | ... Water Engineer, Harrogate | 5 | 1 0 | 740 | 33·4 | 42·70 | ... | ... |
| M | Harrogate W.W. (Broad Dubb) | ... Water Engineer, Harrogate | 5 | 1 0 | 725 | 34·1 | 41·99 | ... | ... |
| M | Harrogate W.W. (Cobblers Cott.) | ... Water Engineer, Harrogate | 5 | 1 0 | 730 | 33·5 | 42·02 | ... | ... |
| D | Harrogate W.W. (Ten Acres Res.) | ... Water Engineer, Harrogate | 8 | 1 6 | 620 | 34·9 | 42·08 | 213 | 158 |
| D | Harrogate W.W. (Scargill Res.) | ... Water Engineer, Harrogate | 8 | 1 0 | 646 | 34·8 | 42·07 | 221 | 155 |
| D | Harrogate W.W. (Beaver Dyke R.) | ... Water Engineer, Harrogate | 8 | 0 11 | 575 | 34·1 | 42·64 | 226 | 156 |
| | Harrogate W.W. (John o' Gaunts) | ... Water Engineer, Harrogate | 5 | 1 0 | 600 | 33·8 | 41·20 | ... | ... |
| | §Harrogate W.W. (Long Stoop) | ... Water Engineer, Harrogate | 5 | 1 0 | 700 | 33·8 | 41·23 | ... | ... |
| M | Harrogate W.W. (Knab's Moor) | ... Water Engineer, Harrogate | 5 | 1 0 | 700 | 32·5 | 41·30 | ... | ... |
| D | HARROGATE (Harlow Moor Obsy.) | ... Borough Corporation ... | 5 | 1 0 | 478 | 30·6 | 39·97 | 196 | 147 |
| D | Harrogate (Harlow Hill Res.) | ... Water Engineer, Harrogate | 8 | 1 0 | 549 | ... | 39·88 | 195 | 146 |
| D | Harrogate (Irongate Bridge Res.) | ... Water Engineer, Harrogate | 8 | 1 6 | 455 | 29·3 | 43·24 | 197 | 154 |
| d | Knaresborough (Water Tower) | ... Water Engineer, Harrogate | 8 | 1 0 | 240 | 27·1 | 35·02 | 182 | 137 |
| | Harrogate (Bilton Sewage Works) | ... Borough Corporation ... | 5 | 1 0 | 208 | 28·5 | 39·41 | 177 | 154 |
| D | Birstwith Hall ... ... ... | ... Sir Frederick A. Ackroyd, Bt. | 5 | 1 0 | 325 | 34·4 | 48·99 | 200 | 160 |
| D | Pateley Bridge (Low Laithe) ... | ... A. Y. Barker, Esq. ... ... | 5 | 1 6 | 380 | ... | 48·07 | 215 | 182 |
| | Ramsgill (Holme Ho. Gouthwaite) | ... Engineer, Bradford, W.W. | 5 | 1 0 | 464 | 39·9 | 46·34 | ... | ... |
| D | Ramsgill (Raygill House) ... | ... Engineer, Bradford, W.W.... | 5 | 1 0 | 925 | 46·7 | 56·69 | 199 | 173 |
| D | Ramsgill ... ... ... | ... Engineer, Bradford, W.W. | 5 | 1 0 | 450 | 42·1 | 53·79 | 201 | 166 |
| M | Nidderdale (East Gill Head) ... | ... Engineer, Bradford, W.W. | 5 | 1 0 | 1710 | 57·6 | 68·23 | ... | ... |
| M | Nidderdale (Rain Stang) ... | ... Engineer, Bradford, W.W. | 5 | 1 0 | 1470 | 47·4 | 58·46 | ... | ... |
| M | Nidderdale (New Houses) ... | ... Engineer, Bradford, W.W. | 5 | 1 0 | 755 | 45·8 | 54·70 | ... | ... |
| D | Nidderdale (West Houses) ... | ... Engineer, Bradford, W.W. | 5 | 1 0 | 1165 | 52·5 | 71·35 | 237 | 192 |
| D | Scar House Reservoir ... ... | ... Engineer, Bradford, W.W. | 5 | 1 0 | 1085 | ... | 54·13 | 235 | 166 |
| | **12.—OUSE. Ure. 110 sq. mi.** | | | | | | | | |
| D | Burton Leonard ... ... | ... B. Coore, Esq. ... ... | 5 | 1 0 | 290 | ... | 34·52 | 195 | 139 |
| | Dallow Moor (Harper Hill) ... | ... K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 819 | ... | 47·88 | 183 | 161 |
| D | Ripon (Grammar School) ... | ... Headmaster ... ... ... | 5 | 1 0 | 150 | ... | 33·40 | 188 | 142 |
| | Kirkby Malzeard (Drovers' Inn) | ... K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 576 | 36·0 | 45·77 | 216 | 169 |
| | Kirkby Malzeard (Hawsett) ... | ... K. L. Forster, Esq., C.E. ... | 5 | 0 9 | 820 | 37·1 | 44·45 | 193 | 154 |
| W | Kirkby Malzeard (Hambleton Hill) | ... K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 1106 | 39·7 | 45·04 | ... | ... |
| D | Kirkby Malzeard (Arundo) ... | ... F. Scrivener, Esq. ... ... | 5 | 1 0 | 450 | ... | 40·65 | 171 | 139 |
| | Kirkby Malzeard (Bagwith Brae) | ... K. L. Forster, Esq., ... | 5 | 0 9 | 703 | 32·9 | 46·21 | 217 | ... |
| W | Kirkby M. (Stone & Ears Wham) | ... K. L. Forster, Esq., C.E. ... | 8 | 0 9 | 1118 | 39·7 | 48·25 | ... | ... |
| | **EAST RIDING. (Area, 1,176 sq. mi.)** | | | | | | | | |
| | **1.—OUSE. Left Bank Tributaries. 82 sq. mi.** | | | | | | | | |
| D | York (The Retreat) ... ... | ... The Secretary ... ... | 5 | 1 0 | 40 | ... | 30·72 | 206 | 138 |
| | **2.—OUSE. Derwent. 248 sq. mi.** | | | | | | | | |
| D | Birdsall Gardens ... ... | ... Mr. J. Anderson ... ... | 5 | 1 2 | 308 | 29·2 | 35·07 | 186 | 151 |
| D | Rillington (Scampston Hall) ... | ... W. H. St. Quintin, Esq. ... | 5 | 1 6 | 102 | 27·1 | 31·73 | 195 | 137 |
| D | Ganton (Golf Club) ... ... | ... Secretary ... ... ... | 5 | 1 2 | 100 | ... | 30·60 | 190 | 140 |
| D | Ganton (Ganton Hall) ... | ... E. W. Wrigley, Esq. ... | 5 | 1 0 | 250 | 27·5 | 32·47 | 184 | 144 |

§ Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **EAST RIDING—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **3.—HUMBER. Left Bank Tributaries. 675 sq. mi.** | | | | | | | | |
| D | §SPURN HEAD (R.N. SIGNAL STN.) | Chief Officer (M.O.) | 5 | 1 0 | 29 | ... | 26·30 | 175 | 122 |
| D | Patrington Rectory | Rev. P. R. Frost | 5 | 1 0 | 50 | ... | 27·28 | 170 | 122 |
| d | Hessle (Sandford) | Lieut. C. S. Sherwood | 5 | 1 0 | 90 | ... | 33·71 | 221 | 141 |
| D | HULL (Pearson Park) | Gen. Superintendent | 5 | 0 10 | 8 | 25·4 | 32·22 | 203 | 131 |
| D | Hull (Springhead) | Hull Waterworks | 5 | 1 0 | 16 | 25·5 | 30·89 | 194 | 134 |
| D | Cottingham (Dunswell P.S.) | Hull Waterworks | 5 | 1 0 | 6 | ... | 30·16 | 187 | 128 |
| d | Holme-on-Spalding Moor | Rev. W. L. Shepherd | 8 | 1 0 | 30 | 25·9 | 31·22 | ... | ... |
| D | Beverley (E. Riding Mental Hosp.) | Medical Superintendent | 5 | 1 0 | 175 | 26·5 | 32·90 | 208 | 131 |
| D | Beverley (Gas Works) | Engineer | 5 | 1 0 | 21 | ... | 34·50 | 191 | 141 |
| D | Beverley (Hull Bridge) | R. Hull Catchment Bd. | 5 | 2 6 | 11 | 24·9 | 32·09 | 168 | 146 |
| D | Market Weighton (Dalton Holme) | D. F. Cullen, Esq. | 8 | 6 6 | 120 | 27·3 | 37·25 | 197 | 160 |
| D | Brandesburton (Hempholme Lk.) | R. Hull Catchment Bd. | 5 | 2 7 | 11 | 24·6 | 31·71 | 203 | 140 |
| d | Driffield (Council School) | Headmaster | 5 | 1 9 | 69 | 27·2 | 32·44 | 197 | 143 |
| D | Lowthorpe (The Elms) | late F. K. Hawes, Esq. | 5 | 1 0 | 63 | 26·5 | 30·53 | 197 | 142 |
| D | Langtoft School | G. W. E. Ogden, Esq. | 5 | 1 0 | 250 | ... | 31·68 | 197 | 138 |
| | **4.—EAST COAST STREAMS. 171 sq. mi.** | | | | | | | | |
| D | Bridlington (Corpn. Nurseries) | Parks Superintendent | 5 | 1 0 | 60 | 25·6 | 29·60 | 206 | 144 |
| M | Ganton (Willerby Wold) | Major W. F. Wormald | 5 | 1 2 | 565 | ... | 31·64 | ... | ... |
| | **NORTH RIDING. (Area, 2,155 sq. mi.).** | | | | | | | | |
| | **1.—OUSE. Ure. 273 sq. mi.** | | | | | | | | |
| | Masham Moor (Arnagill Beck W.) | Water Engineer, Harrogate | 5 | 1 0 | 1210 | 41·6 | 53·44 | ... | ... |
| | Masham Moor (Grey Ridge) | Water Engineer, Harrogate | 5 | 1 0 | 1330 | 44·3 | 53·35 | ... | ... |
| | Masham Moor (Low Ash Head) | Water Engineer, Harrogate | 5 | 1 0 | 845 | 40·7 | 51·54 | ... | ... |
| | Masham Moor (Agill Head) | Water Engineer, Harrogate | 5 | 1 0 | 1380 | 43·4 | 56·68 | ... | ... |
| D | West Tanfield Rectory | Rev. H. S. Broadbent | 5 | 1 0 | 150 | 28·7 | 33·15 | 202 | 144 |
| D | Masham Moor (Roundhill Res.) | Water Engineer, Harrogate | 8 | 1 0 | 743 | 37·6 | 43·61 | 217 | 157 |
| D | Roundhill Reservoir No. 2 | Water Engineer, Harrogate | 8 | 1 0 | 928 | 38·8 | 46·61 | 226 | 166 |
| W | Masham Moor (High Sour Mire) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 884 | ... | 48·39 | ... | ... |
| | Masham Moor (Leighton Res.) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 634 | 35·9 | 45·00 | 194 | 148 |
| | Masham Moor (Towler Hill) | K. L. Forster, Esq., C.E. | 8 | 0 9 | 820 | 36·7 | 46·43 | 221 | 155 |
| | Masham Moor (Breary Bank) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 600 | 36·8 | 45·40 | 220 | 153 |
| | Masham Moor (Healey Pasture) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 620 | 36·1 | 44·35 | 220 | 150 |
| | Masham Moor (Low Houses) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 693 | 37·9 | 43·25 | 199 | 148 |
| D | West Burton (Flanders Hall) | G. T. Whitehead, Esq. | 5 | 2 0 | 450 | ... | 43·96 | 209 | 167 |
| D | Leyburn (Spennithorne) | F. M. Curtis, Esq., F.R.Met.S. | 5 | 1 0 | 358 | ... | 36·40 | 204 | 146 |
| | Leyburn (Overdale) | A. Rowntree, Esq. | 5 | 1 0 | 550 | ... | 35·03 | 182 | 137 |
| D | Askrigg (Yorebridge Gram. Sch.) | F. E. Chevins, Esq. | 5 | 1 0 | 670 | ... | 47·30 | 174 | 153 |
| D | Hawes Junction (Moorland Cottage) | W. Garnett, Esq. | 5 | 1 6 | 1125 | ... | 84·01 | 220 | 205 |
| | **2.—OUSE. Swale. 569 sq. mi.** | | | | | | | | |
| d | Coxwold (The Old Hall) | L. Geipel, Esq. | 4 | 1 6 | 260 | 26·1 | 33·61 | ... | 140 |
| D | Thirsk (Sowerby) | Mrs. M. Brown | 5 | 1 0 | 110 | 24·7 | 31·03 | 164 | 135 |
| D | Thirsk (South Villa) | B. Foggitt, Esq. | 5 | 1 0 | 115 | 24·7 | 29·12 | 185 | 139 |
| M | Felixkirk (Thirlby) | A. J. Walker, Esq. | 5 | 1 0 | 338 | 27·1 | 29·86 | ... | ... |
| D | Felixkirk (Mount St. John) (+A) | A. J. Walker, Esq. | 5 | 1 0 | 530 | 26·5 | 29·17 | 191 | 143 |
| M | Boltby, East | A. J. Walker, Esq. | 5 | 1 0 | 459 | 26·2 | 32·89 | ... | ... |
| D | LEEMING | Meteorological Office | 8 | 1 0 | 175 | ... | 30·58 | 183 | 125 |

§ Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NORTH RIDING—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **2.—OUSE. Swale—(*contd.*).** | | | | | | | | |
| d | Maunby Hall | Major A. Hill-Walker, V.C. | 5 | 1 0 | 90 | 23·9 | 30·29 | ... | ... |
| D | Scruton Hall | A. Coore, Esq. | 5 | 1 0 | 100 | 23·8 | 30·32 | 176 | 122 |
| | Osmotherly (Oakdale W.W.) | Northallerton U.D.C. | 5 | 1 0 | 600 | 28·3 | 35·41 | ... | ... |
| D | East Harlsey (Harlsey Hall) | Mrs. Contantine | 5 | 1 0 | 370 | ... | 30·23 | 174 | 130 |
| d | Richmond (C.E. School) | R. Hornby, Esq. | 5 | 1 0 | 430 | ... | 38·01 | ... | ... |
| | **3.—OUSE. Left Bank Tributaries. 153 sq. mi.** | | | | | | | | |
| D | York (Museum) | Yorks. Phil. Soc. (Dr. W. L. Collinge) | 5 | 1 0 | 57 | 24·3 | 29·78 | 144 | 142 |
| D | Stockton-on-Forest (Stockton Hall) | Late Mrs. Lloyd | 5 | 1 2 | 30 | 21·5 | 27·02 | 160 | 128 |
| | **4.—OUSE. Derwent. 509 sq. mi.** | | | | | | | | |
| D | Welburn | R. Child, Esq. | 5 | 1 0 | 200 | 26·1 | 32·43 | 228 | 168 |
| D | Malton (Swinton Grange) | R. Wilson, Esq. | 5 | 0 10 | 200 | ... | 32·50 | 200 | 147 |
| D | Malton (Broughton Road) | C. C. Laverack, Esq. | 5 | 1 0 | 161 | 25·5 | 29·34 | 179 | 145 |
| D | Hovingham Hall | Capt. Sir W. A. Worsley, Bt. | 5 | 0 9 | 119 | 29·0 | 29·10 | 182 | 138 |
| D | Ampleforth (Abbey) | Rev. T. L. Jackson, O.S.B. | 5 | 1 0 | 313 | ... | 34·93 | 185 | 146 |
| D | Oswaldkirk (Leyesthorpe Hall) | Major G. B. Foster | 5 | 1 0 | 231 | ... | 32·24 | 184 | 138 |
| d | Nunnington Hall Gdns. | Head Gardener | 5 | 1 0 | 110 | ... | 29·44 | ... | 131 |
| D | Scawton (Hambleton House) | C. W. Aykroyd, Esq. | 5 | 1 0 | 835 | ... | 39·16 | 198 | 156 |
| D | Seamer (Irton Pump. Station) | H. V. Overfield, Esq., C.E. | 5 | 1 0 | 94 | 28·7 | 30·86 | 206 | 147 |
| D | Scarborough (Osgodby) | H. V. Overfield, Esq., C.E. | 5 | 1 0 | 166 | 26·1 | 28·23 | 196 | 136 |
| D | East Ayton (Derwent House) | A. H. Robinson, Esq. | 5 | 1 4 | 110 | 27·0 | 33·13 | 215 | 147 |
| D | Kirkby Moorside (Ravenswyke) | Lt.-Col. V. H. Holt, M.C., J.P. | 5 | 1 0 | 270 | 27·2 | 32·59 | 174 | 141 |
| M | Bransdale 7 | Hull Waterworks | 5 | 1 0 | 1021 | ... | 43·88 | ... | ... |
| D | Farndale (The Vicarage) | Hull Waterworks | 8 | 1 0 | 475 | ... | 43·27 | 194 | 161 |
| M | Rosedale 16 | Hull Waterworks | 5 | 1 0 | 587 | ... | 47·04 | ... | ... |
| M | Rosedale 19 | Hull Waterworks | 5 | 1 0 | 599 | ... | 47·52 | ... | ... |
| M | Rosedale 17 | Hull Waterworks | 5 | 1 0 | 974 | ... | 47·25 | ... | ... |
| M | Rosedale 17A | Hull Waterworks | 5 | 1 0 | 986 | ... | 49·15 | ... | ... |
| M | Bransdale 3 | Hull Waterworks | 5 | 1 0 | 739 | ... | 45·30 | ... | ... |
| M | Bransdale 4B | Hull Waterworks | 5 | 1 0 | 1184 | ... | 47·92 | ... | ... |
| M | Farndale 9 | Hull Waterworks | 5 | 1 0 | 1015 | ... | 48·56 | ... | ... |
| M | Farndale 10 | Hull Waterworks | 5 | 1 0 | 574 | ... | 49·39 | ... | ... |
| M | Farndale 13 | Hull Waterworks* | 5 | 1 0 | 1055 | ... | 47·78 | ... | ... |
| M | Rosedale 18 | Hull Waterworks | 5 | 1 0 | 1337 | ... | 47·31 | ... | ... |
| M | Rosedale 14A | Hull Waterworks | 5 | 1 0 | 1329 | ... | 49·04 | ... | ... |
| | **5.—ESK & C. 278 sq. mi.** | | | | | | | | |
| D | Scarborough | (+A) Medical Officer of Health | 5 | 1 1 | 118 | 25·8 | 28·92 | 203 | 149 |
| D | Scarborough (Scalby) | Capt.SirW.H.L.Wordsworth | 5 | 1 0 | 210 | ... | 31·50 | 206 | 149 |
| D | Danby (Botton Hall) | W. E. F. Macmillan, Esq. | 5 | 1 0 | 720 | ... | 45·71 | 222 | 163 |
| D | Egton Bridge (Bridgeholme) | late Lt.-Col. R. Astley Smith | 5 | 1 0 | 130 | 33·3 | 37·35 | 202 | 152 |
| d | Glaisdale (The Gables Gardens) | Mr. G. L. Horton | 5 | 0 6 | 500 | ... | 40·41 | ... | ... |
| D | Sleights (The Hall) | P. M. Horsfall, Esq. | 5 | 1 0 | 220 | 30·7 | 33·93 | 182 | 150 |
| D | Danby Lodge | Head Gardener | 5 | 1 0 | 500 | 35·6 | 44·14 | 206 | 165 |
| D | Whitby (Park Hall, Aislaby) | Miss M. A. N. Richardson | 5 | 1 0 | 500 | 30·7 | 31·83 | 198 | 141 |
| D | Whitby (Pannett Park) | Park Superintendent | 8 | 1 0 | 130 | ... | 27·61 | 185 | 131 |
| D | Guisborough (Lockwood Res.) | Cleveland Water Co. | 8 | 1 0 | 632 | 33·0 | 36·36 | 218 | 149 |
| d | Guisborough (Waterworks) | Guisborough Water Co., Ltd. | 5 | 1 3 | 600 | ... | 31·98 | ... | ... |
| D | Redcar | Town Clerk | 5 | 1 0 | 25 | ... | 26·65 | 174 | 128 |

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **NORTH RIDING—(*contd.*).** | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **6.—TEES. 373 sq. mi.** | | | | | | | | | |
| D | Kildale Hall | | Mrs. R. B. Turton | 5 | 1 2 | 600 | 35·5 | 37·29 | 226 | 146 |
| D | Crathorne Hall Gardens | | J. L. Dugdale, Esq. | 5 | 1 3 | 185 | 25·0 | 27·21 | 164 | 136 |
| D | Barningham Park | | Sir F. Millbank, Bart. | 8 | 1 0 | 750 | 32·6 | 38·96 | 223 | 145 |
| D | Yarm (Worsall Hall) | | Major H. K. D. Evans | 5 | 1 0 | 60 | ... | 28·58 | 164 | 141 |
| D | Nunthorpe (The Box) | | G. D. Cochrane, Esq. | 5 | 1 3 | 287 | 25·2 | 27·90 | 180 | 135 |
| D | Middlesbrough (Albert Park) | | H. C. Hildyard, Esq. | 5 | 1 0 | 30 | 23·7 | 24·44 | 175 | 126 |
| M | Baldersdale (Aygill) | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 1250 | 49·5 | 51·50 | ... | ... |
| D | Lartington Filters | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 725 | 32·1 | 34·55 | 231 | 143 |
| M | Baldersdale (Blackton Res.) | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 937 | 40·9 | 44·00 | ... | ... |
| M | Baldersdale (Balderhead) | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 1320 | 45·7 | 53·40 | ... | ... |
| D | Baldersdale (Hury R.) *old g. site* | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 856 | 36·0 | 37·13 | 211 | 164 |
| D | Baldersdale (Hury R.) *new g. site* | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 862 | 37·3 | 38·01 | 211 | 164 |
| M | Lunedale (Dow Crag) | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 1720 | 57·6 | 62·60 | ... | ... |
| M | Lunedale (Lunehead) | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 1450 | 55·0 | 60·50 | ... | ... |
| M | Lunedale (Selset) | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 924 | 40·3 | 41·00 | ... | ... |
| D | Lunedale (Grassholme Res.) | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 936 | 38·6 | 40·67 | 219 | 167 |
| M | Lunedale (Keekham) | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 1660 | 62·1 | 68·80 | ... | ... |
| M | Lunedale (Hargill) | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 1320 | 52·6 | 56·50 | ... | ... |

## DIVISION X—NORTHERN COUNTIES

**DURHAM. (Area, 1,011 sq. mi.)**

**1.—TEES & C. 396 sq. mi.**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| D | Darlington (South Park) | | T. J. Morrison, Esq. | 5 | 1 0 | 150 | 27·1 | 27·19 | 188 | 128 |
| D | Darlington Waterworks | (+A) | Borough Surveyor | 5 | 1 0 | 161 | ... | 26·56 | 160 | 114 |
| D | Darlington (Broken Scar) | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 158 | 26·2 | 28·12 | 169 | 125 |
| D | Darlington (Fighting Cocks Res.) | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 150 | 25·2 | 27·12 | 166 | 131 |
| D | Egglescliffe | | Walter Jones, Esq. | 8 | 1 2 | 100 | 24·0 | 30·90 | 169 | 129 |
| D | Barnard Castle (Bowes Museum) | | S. E. Harrison, Esq. | 6 | 1 0 | 500 | 30·4 | 33·29 | 227 | 142 |
| D | Barnard Castle (County School) | | Bursar | 5 | 1 5 | 540 | 29·1 | 32·04 | 182 | 136 |
| D | Long Newton Reservoir | | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 184 | 25·5 | 31·32 | 189 | 135 |
| d | Stockton-on-Tees (Ropner Park) | | Park Curator | 5 | 1 10 | 61 | 22·9 | 26·11 | ... | ... |
| D | Stockton-on-Tees (Billingham) | (+A) | Imperial Chem. Indust., Ltd. | 5 | 1 6 | 35 | 23·3 | 26·41 | 177 | 121 |
| d | Stillington Park | | Bradford Property Trust, Ltd. | 5 | 1 0 | 140 | 27·1 | 30·75 | ... | 134 |
| d | Eggleston (Wood Hill) | | E. A. Smith, Esq. | 5 | 1 0 | 1000 | 34·2 | 36·38 | 212 | 154 |
| D | Middleton-in-Teesdale (Newbiggin) | | B. Jackson, Esq. | 5 | 1 0 | 900 | 44·2 | 44·95 | 218 | 170 |
| D | West Hartlepool (Waterworks) | | J. R. Bradshaw, Esq. | 10 | 1 0 | 35 | 24·7 | 26·07 | 207 | 133 |
| D | Hurworth Burn Reservoir | | J. R. Bradshaw, Esq. | 10 | 1 0 | 357 | 26·5 | 32·39 | 185 | 128 |
| D | Hartlepool (Hart Reservoir) | | J. R. Bradshaw, Esq. | 10 | 1 0 | 172 | ... | 27·26 | 197 | 127 |
| D | Shotton (New Winning P.S.) | | A. B. E. Blackburn, Esq., C.E. | 8 | 1 0 | 402 | 29·4 | 32·26 | 212 | 132 |
| D | Easington (Mill Hill Res.) | | A. B. E. Blackburn, Esq., C.E. | 8 | 1 0 | 521 | ... | 29·63 | 199 | 128 |
| D | Seaham (Dalton Pumping Stn.) | | A. B. E. Blackburn, Esq., C.E. | 8 | 1 0 | 345 | 27·0 | 29·53 | 203 | 122 |
| | **2.—WEAR. 464 sq. mi.** | | | | | | | | | |
| D | Wolsingham (Shull) | | Mrs. W. A. Mounsey | 5 | 1 0 | 600 | ... | 34·28 | 200 | 146 |
| d | Stanhope (Parson Byers Quarry) | | Dorman, Long & Co., Ltd. | 5 | 1 3 | 860 | 31·7 | 32·58 | ... | ... |
| M | Burnhope (Grass Meres) | | J. A. Rodwell, Esq., C.E. | 5 | 1 3 | 1850 | 59·1 | 61·90 | ... | ... |
| M | Burnhope (Lodgegill Mine) | | J. A. Rodwell, Esq., C.E. | 5 | 1 3 | 1950 | 61·4 | 65·20 | ... | ... |
| D | Burnhope Reservoir | | J. A. Rodwell, Esq., C.E. | 8 | 1 0 | 1160 | ... | 54·41 | 227 | 194 |
| M | Cowshill (Wellheads Hush) | | J. A. Rodwell, Esq., C.E. | 5 | 1 6 | 1690 | 52·7 | 61·20 | ... | ... |
| D | Durham (HOUGHALL Hort. Station) | | Director of Agriculture | 5 | 1 0 | 160 | 26·4 | 29·89 | 179 | 131 |

## DIVISION X—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **DURHAM—(*contd.*).** | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **2.—WEAR—(*contd.*).** | | | | | | | | | |
| D | DURHAM (Univ. Obsy.) | (+A) | Director | 8 | 1 0 | 336 | 24·6 | 28·45 | 185 | 125 |
| D | Weardale W.W. (Tunstall Res.) | | J. A. Rodwell, Esq., C.E. | 8 | 1 2 | 724 | 32·4 | 34·01 | 193 | 143 |
| D | Waterhouses (Clifford House) | | J. Reay, Esq. | 5 | 1 3 | 600 | ... | 30·86 | 168 | 133 |
| D | USHAW COLLEGE | | Principal | 5 | 1 0 | 594 | 28·2 | 27·88 | 185 | 125 |
| M | Weardale W.W. (Waskerley 6) | | J. A. Rodwell, Esq., C.E. | 8 | 1 0 | 1229 | ... | 34·79 | ... | ... |
| M | Weardale W.W. (Waskerley 3) | | J. A. Rodwell, Esq., C.E. | 8 | 1 0 | 1433 | ... | 35·17 | ... | ... |
| D | Weardale W.W. (Waskerley) | | J. A. Rodwell, Esq., C.E. | 8 | 1 0 | 1179 | 33·1 | 36·37 | 209 | 159 |
| M | Weardale W.W. (Waskerley 1) | | J. A. Rodwell, Esq., C.E. | 8 | 1 0 | 1317 | ... | 34·81 | ... | ... |
| D | Lanchester (Craigmore) | | Basil Sadler, Esq. | 5 | 1 0 | 400 | ... | 29·39 | 193 | 126 |
| D | Consett (Crookhall Sewage Works) | | T. Hutton, Esq. | 5 | 1 0 | 700 | ... | 27·67 | 196 | 135 |
| D | Consett (Stockley House) | | Mrs. J. Shackleton | 5 | 1 6 | 642 | ... | 28·55 | 182 | 134 |
| d | Annfield Plain | | Basil Sadler, Esq. | 5 | 1 0 | 760 | ... | 27·80 | ... | 121 |
| D | South Moor (Colliery Office) | | Basil Sadler, Esq. | 5 | 1 0 | 616 | ... | 29·40 | 179 | 130 |
| D | Ryhope Pumping Station | | A. B. E. Blackburn, Esq., C.E. | 8 | 1 1 | 228 | 25·4 | 25·63 | 198 | 118 |
| | Washington (Glebe Sen. School) | | A. Robson, Esq. | 5 | 1 2 | 160 | ... | 25·52 | ... | ... |
| D | Sunderland (West Hendon House) | | Mrs. W. A. Mounsey | 5 | 1 0 | 130 | 25·6 | 24·49 | 152 | 115 |
| D | Sunderland (Mowbray Park) | | Medical Officer of Health | 5 | 1 0 | 105 | 25·6 | 26·98 | 164 | 120 |
| | **3.—TYNE. LOWER. 151 sq. mi.** | | | | | | | | | |
| D | Weardale W.W. (Hisehope Res.) | | J. A. Rodwell, Esq., C.E. | 5 | 1 0 | 1450 | ... | 33·87 | 198 | 152 |
| D | Weardale W.W. (Smiddy Shaw) | | J. A. Rodwell, Esq., C.E. | 8 | 1 3 | 1128 | 34·1 | 35·17 | 212 | 153 |
| D | Hunstanworth (School House) | | Headmaster | 5 | 1 0 | 1200 | ... | 40·27 | 221 | 176 |
| D | Westwood Sewage Works | | T. Hutton, Esq. | 5 | 0 8 | 255 | ... | 27·16 | 201 | 134 |
| d | Ebchester (Blackhall Mill School) | | Headmaster | 5 | 0 8 | 150 | ... | 25·92 | 166 | 108 |
| D | Sunderland (Cleadon Pump Stn.) | | A. B. E. Blackburn, Esq., C.E. | 8 | 1 0 | 216 | 24·4 | 25·16 | 199 | 121 |
| D | South Shields (Bents Park) | | Dr. W. Campbell Lyons | 5 | 1 0 | 36 | 24·2 | 25·88 | 195 | 137 |
| D | South Shields (South Pier Works) | | Tyne Improvement Commis. | 5 | 1 0 | 17 | ... | 23·78 | 191 | 117 |
| | **NORTHUMBERLAND. (Area, 2,015 sq. mi.)** | | | | | | | | | |
| | **1.—EDEN. 20 sq. mi.** | | | | | | | | | |
| | **2.—SOUTH TYNE. 232 sq. mi.** | | | | | | | | | |
| d | Allenheads | | R. Hepple, Esq. | 5 | 1 5 | 1350 | ... | 47·09 | 230 | 178 |
| D | Haydon Bridge (Shaftoe Trust Sch.) | | Headmaster | 5 | 0 9 | 250 | ... | 27·60 | 189 | 142 |
| | **3.—TYNE. LOWER. 227 sq. mi.** | | | | | | | | | |
| D | Newcastle (Leazes Park) | | City Engineer | 5 | 1 0 | 255 | 26·4 | 26·29 | 177 | 116 |
| D | Throckley Filters | | Newcastle & Gatesh'd W. Co. | 5 | 1 1 | 300 | ... | 31·87 | 210 | 158 |
| D | Hexham Reservoir | | Hexham U.D.C. | 5 | 1 0 | 330 | ... | 25·78 | 193 | 131 |
| d | Hexham (Widehaugh Nursery) | | Forestry Commission | 5 | 0 11 | 120 | ... | 25·43 | ... | ... |
| d | Tynemouth (Tyne Pier Works) | | Tyne Improvement Commis. | 5 | 1 0 | 54 | 25·1 | 24·81 | ... | ... |
| D | TYNEMOUTH (C.G. Station) | | Station Officer (M.O.) | 8 | 1 0 | 108 | 24·5 | 23·78 | 168 | 114 |
| D | Whittle Dene Filters | | Newcastle & Gatesh'd W. Co. | 5 | 1 1 | 353 | 26·6 | 27·79 | 204 | 132 |
| D | Whittle Dene Res. | | Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 380 | 25·3 | 28·12 | 201 | 114 |
| | **4.—NORTH TYNE. 433 sq. mi.** | | | | | | | | | |
| d | Barrasford | | Newcastle & Gatesh'd W. Co. | 8 | 1 0 | 207 | ... | 27·51 | 213 | 145 |
| M | Ryal Cottage | | Newcastle & Gatesh'd W. Co. | 5 | 0 9 | 463 | 29·1 | 26·58 | ... | ... |
| M | Hallington Village | | Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 467 | 29·9 | 25·90 | ... | ... |

## DIVISION X—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NORTHUMBERLAND—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—NORTH TYNE—(*contd.*).** | | | | | | | | |
| D | Hallington Res. ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 472 | 29·3 | 26·09 | 198 | 139 |
| M | Hallington (Fawcett) ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 2 | 537 | 28·2 | 26·47 | ... | ... |
| M | Hallington (Cheviott) ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 2 | 576 | 27·8 | 25·27 | ... | ... |
| M | Camphill... ... ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 650 | 29·4 | 29·22 | ... | ... |
| D | Colt Crag Reservoir ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 654 | *29·3* | 29·78 | 219 | 165 |
| M | Green Crag ... ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 900 | 30·4 | 31·32 | ... | ... |
| D | BELLINGHAM (Highgreen) ... | ... Sir C. Morrison-Bell, Bart. | 5 | 1 0 | 849 | 35·4 | 33·95 | 229 | 162 |
| D | Kielder (Viaduct Lodge) ... | ... Forestry Commission ... | 5 | 1 7 | 600 | ... | 51·50 | 227 | 187 |
| D | §Kielder (Ridge End) ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 851 | ... | 49·33 | 235 | 187 |
| D | §Kielder (Kielder Head) ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 807 | ... | 48·44 | 231 | 201 |
| | §Kielder (Oh Me Edge) ... | ... Newcastle & Gatesh'd W. Co. | 8 | 1 0 | 1480 | ... | 49·06 | ... | ... |
| | §Kielder (Carry Burn) ... ... | ... Newcastle & Gatesh'd W. Co. | 8 | 1 0 | 1043 | ... | 48·86 | ... | ... |
| | §Kielder (Little Gunn's Cleugh) | ... Newcastle & Gatesh'd W. Co. | 8 | 1 0 | 1110 | ... | 49·00 | ... | ... |
| M | §Redewater (Countess Crag) ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 1600 | ... | 48·80 | ... | ... |
| D | Redewater (Catcleugh) ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 819 | 40·2 | 42·97 | 234 | 181 |
| W | §Redewater (Game Park) ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 900 | ... | 47·39 | ... | ... |
| | §Redewater (Black Cleugh) ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 1050 | ... | 46·20 | ... | ... |
| | **5.—COQUET & C. 840 sq. mi.** | | | | | | | | |
| M | Whittington ... ... ... | ... Newcastle & Gatesh'd W. Co. | 8 | 1 0 | 528 | 28·1 | 26·73 | ... | ... |
| M | Burnside ... ... ... | ... Newcastle & Gatesh'd W. Co. | 8 | 1 0 | 528 | 27·2 | 27·28 | ... | ... |
| D | Whitley Bay (Marden House) | ... R. J. Oliver, Esq. ... ... | 5 | 1 0 | 100 | ... | 26·64 | 216 | 126 |
| D | Kirkwhelpington ... ... | ... J. Wardle, Esq. ... ... | 5 | 1 3 | 581 | ... | 30·96 | 201 | 146 |
| D | Morpeth (COCKLE PARK) ... | ... Northumberland Co. Coun. | 5 | 1 0 | 325 | 29·3 | 26·25 | 198 | 132 |
| D | Morpeth (Tritlington School) | ... J. E. Archbold, Esq. ... | 5 | 0 6 | 250 | ... | 27·42 | 189 | 127 |
| D | Font Res. (Tynemouth W.W.) | ... J. W. McKerrow, Esq. ... | 10 | 1 2 | 620 | 31·1 | 29·67 | 204 | 149 |
| D | Amble ... ... ... ... | ... Amble U.D.C. ... ... | 5 | 1 0 | 12 | ... | 22·16 | 148 | 101 |
| D | Howick Hall Gardens ... ... | ... The Rt. Hon. Earl Grey ... | 8 | 1 0 | 110 | 28·2 | 29·02 | 214 | 127 |
| D | Stamford ... ... ... | ... W. Robertson, Esq. ... | 5 | 1 0 | 175 | ... | 26·90 | 199 | 128 |
| D | Doxford Hall ... ... ... | ... Rt. Hon. Viscount Runciman | 5 | 1 0 | 150 | ... | 27·53 | 187 | 122 |
| D | Chathill (Preston Tower) ... | ... H. Baker Cresswell, Esq. | 8 | 1 0 | 140 | 28·3 | 27·78 | 191 | 126 |
| D | Belford (Newlands) ... ... | ... C. H. Sanderson, Esq. ... | 5 | 4 8 | 160 | ... | 28·12 | 188 | 128 |
| | **6.—TWEED. 262 sq. mi.** | | | | | | | | |
| D | Ilderton (Lilburn Tower Gdns.) | ... Mr. C. Lovett ... ... | 5 | 1 0 | 250 | 30·4 | 28·09 | 177 | 129 |
| D | BERWICK-ON-TWEED (Ramparts) | ... Borough Surveyor ... ... | 5 | 1 0 | 76 | 23·4 | 23·33 | 162 | 117 |
| | **7.—INSULAR. 1 sq. mi.** | | | | | | | | |
| | **CUMBERLAND. (Area, 1,516 sq. mi.)** | | | | | | | | |
| | **1.—EDEN & SOLWAY. 887 sq. mi.** | | | | | | | | |
| D | Watermillock (Lake View) ... | ... T. Slee, Esq.... ... ... | 5 | 0 8 | 560 | ... | 64·36 | 224 | 185 |
| D | Penrith (Hutton John) ... | ... F. Hudleston, Esq., C.E. ... | 5 | 1 0 | 688 | 45·1 | 49·30 | 214 | 169 |
| d | Penruddock (Council School) | ... Headmaster ... ... | 5 | 1 6 | 850 | ... | 49·91 | 204 | 163 |
| d | Penrith (Castle Park) ... ... | ... Engineer & Surveyor ... | 5 | 1 0 | 490 | ... | 34·92 | ... | 142 |
| D | Penrith (Arthur Street)... ... | ... A. B. Sinclair, Esq. ... | 5 | 1 0 | 500 | 36·4 | 34·83 | 211 | 149 |
| D | Penrith (NEWTON RIGG) ... | ... Cumberland County Council | 5 | 1 0 | 560 | 36·4 | 35·98 | 199 | 156 |
| D | Uldale (Chapel House Res.) ... | ... J. R. Watters, Esq. ... | 8 | 1 0 | 620 | 46·2 | 49·78 | 222 | 196 |
| D | Troutbeck (Wellbank) ... ... | ... Miss R. A. S. Streatfield ... | 5 | 1 0 | 800 | ... | 74·08 | 222 | 189 |

§ Turf wall round gauge.

## DIVISION X—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | CUMBERLAND—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—EDEN & SOLWAY—(*contd.*).** | | | | | | | | |
| D | Caldbeck (Upton School) | R. Hutchinson, Esq. | 5 | 1 0 | 520 | *44·5* | 48·43 | 205 | 171 |
| D | Wigton (Brookfield) | D. W. Reed, Esq. | 5 | 1 0 | 124 | 36·7 | 33·55 | 202 | 164 |
| d | Wreay Vicarage | Rev. J. Sanderson | 5 | 1 0 | 300 | 31·5 | 34·04 | ... | 154 |
| | Carlisle (Blackwell) | H. Shepherd, Esq. | 5 | 1 0 | 185 | ... | 32·13 | ... | ... |
| D | Silloth | Wigton R.D.C. | 5 | 1 0 | 27 | *34·2* | 38·03 | 207 | 156 |
| D | Geltsdale | P. Dalton, Esq., C.E. | 5 | 1 2 | 778 | 36·8 | 40·78 | 242 | 188 |
| D | Carlisle (Spital Cemetery) | Superintendent | 8 | 1 0 | 114 | 31·8 | 32·81 | 213 | 152 |
| | Carlisle (Denton Holme) | E. J. M. Lawson, Esq. | 5 | 1 0 | 57 | 30·1 | 32·37 | ... | ... |
| D | Carlisle (Rose Hill) | H. Lonsdale, Esq. | 8 | 1 3 | 105 | ... | 33·76 | 175 | 151 |
| D | Carlisle (Sewage Works) | P. Dalton, Esq. | 5 | 1 0 | 39 | ... | 32·41 | 201 | 149 |
| d | Brampton (Secondary School) | R. Eden Catchment Board | 5 | 1 0 | 281 | ... | 37·30 | ... | 150 |
| d | Longtown (C.A.D.) | Officer in Charge | 5 | 1 10 | 25 | ... | 33·17 | 188 | 157 |
| D | Bewcastle (Stockastead) | Border R.D.C. | 5 | 1 0 | 750 | *47·5* | 47·18 | 239 | 166 |
| | **2.—DERWENT. 257 sq. in.** | | | | | | | | |
| M | Sprinkling Tarn | F. Bainbridge, Esq., for M.O. | 5 | 1 6 | 1985 | *151·8* | 186·75 | ... | ... |
| M | Styehead Tarn | F. Bainbridge, Esq., for M.O. | 5 | 1 0 | 1472 | *145·8* | 182·75 | ... | ... |
| M | Styehead A. | F. Bainbridge, Esq., for M.O. | 5 | 1 0 | 1070 | *139·8* | 165·75 | ... | ... |
| M | Borrowdale (Stockley Bridge) | F. Bainbridge, Esq., for M.O. | 5 | 1 0 | 585 | *130·9* | 165·00 | ... | ... |
| M | Borrowdale (Seathwaite) *garden* | F. Bainbridge, Esq., for M.O. | 5 | 1 0 | 423 | ... | 144·75 | ... | ... |
| M | Helvellyn (Hill Top Gill) | Manchester Corpn. W.W. | 5 | 1 0 | 1050 | ... | 121·15 | ... | ... |
| M | §Ullscarf | Manchester Corpn. W.W. | 5 | 1 0 | 2100 | 119·8 | 134·45 | ... | ... |
| M | Wythburn | Manchester Corpn. W.W. | 5 | 1 0 | 610 | 96·8 | 112·86 | ... | ... |
| M | Helvellyn (Brown Rigg) | Manchester Corpn. W.W. | 5 | 1 0 | 1450 | *112·0* | 128·00 | ... | ... |
| D | Watendlath Farm | W. Tyson, Esq., for M.O. | 5 | 1 0 | 800 | *88·5* | 100·71 | 201 | 183 |
| D | §Thirlmere (Dale Head Hall) | Manchester Corpn. W.W. | 5 | 1 0 | 620 | 86·7 | 95·26 | 258 | 205 |
| D | Grange-in-Borrowdale (Bield) | J. E. Bowes, Esq. | 5 | 1 6 | 300 | ... | 98·05 | 237 | 186 |
| D | Keswick (Lingholm Gardens) | J. Elson, Esq. | 5 | 1 0 | 300 | 65·7 | 76·07 | 228 | 189 |
| D | Keswick (Derwent Island) | Denis Marshall, Esq. | 5 | 1 0 | 290 | 57·0 | 64·99 | 217 | 181 |
| D | KESWICK (High Hill) | Clerk to the U.D.C. | 5 | 1 0 | 254 | 54·9 | 65·93 | 224 | 173 |
| D | Braithwaite (Blackwood) | C. Barnes, Esq. | 8 | 1 0 | 400 | *60·3* | 78·65 | 229 | 185 |
| d | Keswick (Mirehouse) | Miss Spedding | 5 | 1 6 | 280 | 49·8 | 54·64 | ... | ... |
| D | Workington (Stainburn Res.) | Borough Surveyor | 5 | 1 0 | 180 | 36·9 | 43·70 | 191 | 148 |
| D | Cockermouth (South Lodge) | Capt. J. Upton Armstrong | 5 | 1 0 | 242 | ... | 47·52 | 213 | 154 |
| D | Bassenthwaite (Higham) | late G. F. Fisher, Esq. | 5 | 1 0 | 500 | 44·9 | 50·99 | 217 | 182 |
| | **3.—WEST COAST STREAMS. 235 sq. mi.** | | | | | | | | |
| W | Bootle (Fellside) | Millom R.D.C. | 5 | 1 0 | 266 | ... | 53·15 | ... | ... |
| D | Ravenglass (The Grove) | G. T. A. Ogilvie, Esq. | 5 | 1 0 | 70 | 42·5 | 47·82 | 190 | 159 |
| D | Gosforth (Netherwasdale) | T. Sewell, Esq. | 5 | 1 0 | 180 | ... | 63·67 | 204 | 174 |
| D | Braystones | H. H. Watson, Esq. | 5 | 1 0 | 36 | 37·5 | 47·21 | 194 | 162 |
| | Beckermet (Bankfield) | J. R. Atkinson, Esq. | 5 | 1 0 | 132 | ... | 43·02 | ... | ... |
| M | Wast Water (Wasdale Head) | H. H. Watson, Esq. | 5 | 1 0 | 280 | ... | 97·55 | ... | ... |
| M | Ennerdale (Gillerthwaite) | H. H. Watson, Esq. | 5 | 1 0 | 445 | ... | 108·00 | ... | ... |
| D | Whitehaven (Scragill Reservoir) | Borough Engr. & Surveyor | 8 | 1 0 | 188 | 43·5 | 41·78 | 195 | 154 |
| | **4.—DUDDON & C. 50 sq. mi.** | | | | | | | | |
| D | Hallthwaite (Baystone Res.) | Millom R.D.C. | 5 | 1 0 | 400 | ... | 68·07 | 211 | 171 |
| D | §Ulpha | Engineer, Barrow | 5 | 1 0 | 251 | ... | 87·67 | 238 | 194 |

§ Turf wall round gauge.

## DIVISION X—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **CUMBERLAND—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—SOUTH TYNE. 87 sq. mi.** | | | | | | | | |
| d | Alston Vicarage... ... ... | ... Rev. N. A. Walton ... | 5 | 1 0 | 940 | *44·7* | 45·31 | 217 | 172 |
| | **WESTMORLAND. (Area, 783 sq. mi.)** | | | | | | | | |
| | **1.—EDEN. 373 sq. mi.** | | | | | | | | |
| D | Kirkby Stephen (Eden Place) ... | ... Late Mrs. P. Mason ... | 5 | 1 0 | 544 | 42·3 | 41·08 | 210 | 164 |
| | §Wasdale Pike ... ... ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 1825 | 79·4 | (98·21) | ... | ... |
| | Mosedale (Mosedale Cottage) | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 1443 | 87·8 | 100·38 | ... | ... |
| | Wet Sleddale (Mirethwaite) ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 995 | 64·7 | 87·19 | 230 | 183 |
| M | §Blea Water B. ... ... ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 1400 | *104·0* | 109·13 | ... | ... |
| | §Sleddale (High Wether Howe) | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 1620 | ... | 95·90 | ... | ... |
| | §Mardale (Riggindale) ... ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 892 | ... | 100·64 | ... | ... |
| | §Shap (Birkbeck Fell) ... ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 935 | 56·0 | 68·16 | ... | ... |
| | Swindale Parsonage ... ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 875 | *70·0* | 83·49 | ... | ... |
| | §Mardale (Whelter) ... ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 819 | ... | 108·56 | ... | ... |
| | Shap (Thornship Gill) ... ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 844 | 57·3 | 70·54 | ... | ... |
| | §Mardale (Guerness) ... ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 905 | ... | 91·37 | ... | ... |
| | §Shap (Tailbert Head) ... ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 1100 | 55·6 | 69·51 | 221 | 174 |
| M | §Hawes Water (Wallow Crag) ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 1412 | 72·1 | 88·54 | ... | ... |
| M | Hawes Water (Naddle House) | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 825 | 60·5 | 73·35 | ... | ... |
| | Hawes Water (Sandhills) ... | ... Manchester Corpn. W.W. ... | ... | ... ... | 824 | 69·6 | 84·18 | ... | ... |
| | Measand Beck (Keasgill) ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 1800 | *82·7* | 94·44 | ... | ... |
| d | Crosby Ravensworth ... ... | ... R. Eden Catchment Board | 5 | 1 0 | 612 | ... | 46·49 | ... | ... |
| D | §Hawes Water (Burn Banks) ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 835 | *65·0* | 77·27 | 239 | 180 |
| D | Patterdale Hall ... ... ... | ... F. C. Scott, Esq. ... ... | 5 | 1 3 | 490 | 86·7 | 106·95 | 210 | 187 |
| d | Patterdale (Greenside Mine) ... | ... Basinghall Mining Synd. Ltd. | 5 | 0 9 | 1081 | 91·9 | 104·49 | ... | ... |
| M | §Bampton (Sealhole Grain) B. | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 1750 | ... | 89·35 | ... | ... |
| | Bampton (Stanegarth) ... ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 913 | 59·5 | 66·44 | ... | ... |
| M | Cawdale Beck (Howe Grain) ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 1642 | *67·6* | 81·60 | ... | ... |
| | Heltondale (Kidmoor) ... | ... Manchester Corpn. W.W. ... | 5 | 1 0 | 1043 | ... | 67·22 | ... | ... |
| D | APPLEBY (Castle Bank) ... | ... Lady Holmes ... ... | 5 | 1 0 | 440 | 35·0 | 37·34 | 219 | 166 |
| d | Penrith (Lowther Castle) ... | ... Mr. J. Jeffrey ... ... | 5 | 1 0 | 750 | 41·8 | 42·91 | ... | 161 |
| D | Penrith (Barton House) ... | ... Mrs. Legh Tolson ... ... | 5 | 1 0 | 500 | 42·4 | 43·46 | 206 | 170 |
| | **2.—LEVEN. 60 sq. mi.** | | | | | | | | |
| D | Windermere (Nurseries) ... | ... Lakeland Nurseries, Ltd. ... | 5 | 0 10 | 350 | *61·6* | 64·70 | 199 | 172 |
| D | Windermere (Holehird) ... | ... H. L. Groves, Esq. ... | 5 | 1 0 | 483 | 68·0 | 75·24 | 234 | 182 |
| D | Windermere (Brockhole) ... | ... C. Bateman, Esq. ... ... | 5 | 0 8 | 175 | 66·3 | 74·07 | 232 | 182 |
| D | Windermere (Briery Close) ... | ... Mrs. E. L. Hedley ... ... | 5 | 1 0 | 325 | ... | 76·91 | 225 | 180 |
| D | Troutbeck (Yew Tree Cottage) | ... B. L. Thompson, Esq. ... | 5 | 0 10 | 550 | ... | 79·83 | 227 | 184 |
| D | AMBLESIDE (The Lakes) (U.D.C.) | ... Clerk to the Council ... | 5 | 1 0 | 145 | *66·8* | 82·38 | 216 | 178 |
| D | Ambleside (Market Square) ... | ... G. A. Johnston, Esq., M.D. | 5 | 1 0 | 180 | 75·1 | 88·41 | 226 | 186 |
| D | Rydal (High Close) ... ... | ... F. E. T. Jones Balme, Esq. | 8 | 0 9 | 553 | 83·3 | 95·77 | 221 | 174 |
| D | Rydal (The Hall) ... ... | ... R. E. Porter, Esq. ... ... | 5 | 1 0 | 354 | 82·1 | 91·87 | 225 | 196 |
| D | Grasmere (Meadow Brow) ... | ... J. Abbott, Esq. ... ... | 5 | 1 0 | 350 | ... | 100·47 | 210 | 190 |
| | **3.—KENT. 188 sq. mi.** | | | | | | | | |
| D | Heversham (Plumtree Hall) ... | ... Miss Lilian Watson ... | 5 | 1 0 | 120 | 45·7 | 45·78 | 205 | 170 |
| D | Endmoor (Enyeat Gardens) ... | ... Miss F. Weston ... ... | 5 | 0 9 | 300 | ... | 50·77 | 223 | 185 |
| d | Levens (Beathwaite) ... ... | ... Robert Bush, Esq. ... ... | 5 | 1 0 | 105 | *46·8* | 56·74 | ... | 171 |

§ Turf wall round gauge.

## DIVISION X—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | WESTMORLAND—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—KENT—(*contd.*).** | | | | | | | | |
| D | Killington Reservoir ... ... | ... L.M. & S. Rly. Co. ... | 5 | 1 0 | 670 | *49·8* | 54·25 | 220 | 170 |
| D | Kendal (Crosthwaite, Low Fell) | ... Norman F. Wilson, Esq. ... | 5 | 0 8 | 200 | ... | 61·01 | 219 | 172 |
| D | Kendal Gasworks ... ... | ... Borough of Kendal... ... | 5 | 1 3 | 146 | *48·2* | 52·61 | 194 | 169 |
| D | Kendal (Fisher Tarn Res.) ... | ... Borough of Kendal... ... | 5 | 1 0 | 742 | *51·7* | 57·48 | 225 | 187 |
| D | Kendal (Ellergreen) ... ... | ... J. W. Cropper, Esq. ... | 5 | 1 6 | 270 | 58·2 | 63·74 | 227 | 188 |
| D | Kendal (Kent Lea) ... ... | ... R. J. Cragghill, Esq. ... | 5 | 1 0 | 165 | *53·2* | 59·04 | 216 | 176 |
| d | Kendal (Potter Fell) ... ... | ... Messrs. J. Cropper & Co. Ltd. | 5 | 2 0 | 750 | 70·6 | 76·42 | ... | ... |
| | **4.—LUNE. 122 sq. mi.** | | | | | | | | |
| D | Kirkby Lonsdale (Stoop Lane) | ... Mrs. H. E. Hollins ... | 5 | 2 0 | 205 | *46·0* | 52·47 | 224 | 175 |
| | Ravenstonedale (Railway Stn.) | ... Lune Board of Conservators | 5 | 1 0 | 800 | *47·5* | 53·29 | ... | ... |
| | **5.—TEES. 40 sq. mi.** | | | | | | | | |
| | Lunedale (Conny Pot) ... ... | ... T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 1840 | ... | 59·80 | ... | ... |

## DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS

| | MONMOUTH. (Area, 534 sq. mi.) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **1.—RHYMNEY. 39 sq. mi.** | | | | | | | | |
| d | Machen (Machen Quarry) ... | ... Machen Quarries, Ltd. ... | 5 | 2 0 | 250 | ... | 58·86 | 204 | 173 |
| | **2.—EBBW. 88 sq. mi.** | | | | | | | | |
| D | Rogerstone (Newport Golf Links) | ... Late Col.Blethyn T.Rees,C.E. | 5 | 0 8 | 304 | ... | 55·30 | 195 | 166 |
| D | Blackwood ... ... ... | ... D. H. Price, Esq. ... ... | 5 | 0 10 | 630 | ... | 65·49 | 221 | 180 |
| D | Abertillery (The Park) ... ... | ... Medical Officer of Health ... | 5 | 1 0 | 700 | 57·2 | 71·54 | 214 | 182 |
| D | Cwmtillery Reservoir ... ... | ... W. Cory Goddard, Esq., C.E. | 5 | 1 0 | 1130 | ... | 63·12 | 203 | 171 |
| D | Tredegar (Poplar Rd.) ... ... | ... S. L. Filer, Esq. ... ... | 5 | 1 6 | 963 | ... | 72·83 | 216 | 184 |
| d | Tredegar Laboratory ... ... | ... Tredegar Iron & Coal Co. Ltd. | 5 | 2 0 | 950 | ... | 74·04 | 232 | 185 |
| D | Ebbw Vale (Iron Works) ... | ... Richard Thomas & Baldwins | 8 | 1 0 | 902 | ... | 72·32 | 236 | 182 |
| D | Ebbw Vale, W.W. (Carno S.) | ... J.Grafton Hoskens,Esq.,C.E. | 5 | 1 0 | 1262 | ... | 72·87 | 224 | 182 |
| d | Beaufort (Blaen-y-cwm Res.) ... | ... Richard Thomas & Baldwins | 8 | 1 0 | 1340 | ... | 70·42 | 233 | 178 |
| | **3.—USK & C. 290 sq. mi.** | | | | | | | | |
| d | Portskewett (Sudbrook) ... | ... Divisional Engineer ... | 8 | 1 0 | 51 | ... | 42·53 | ... | 144 |
| D | NEWPORT (Hospital) ... ... | ... Medical Officer of Health ... | 8 | 1 0 | 265 | ... | 51·43 | 205 | 169 |
| D | Newport W.W. (Friar St. Yard) | ... Newport Corporation ... | 5 | 6 0 | 32 | ... | 47·83 | 185 | 157 |
| D | Newport W.W. (Ynis-y-fro Res.) | ... Newport Corporation ... | 5 | 1 0 | 130 | ... | 48·12 | 198 | 160 |
| D | Newport W.W. (Pant-y-reos Res.) | ... Newport Corporation ... | 5 | 1 0 | 485 | ... | 59·20 | 205 | 175 |
| D | Newport W.W. (Llanvaches) ... | ... Newport Corporation ... | 5 | 0 10 | 456 | ... | 48·04 | 190 | 161 |
| D | Newport W.W. (Nantypridd) | ... Newport Corporation ... | 5 | 1 0 | 500 | ... | 52·61 | 192 | 169 |
| D | Chepstow (Itton Court) ... | ... Lady Curre ... ... ... | 5 | 1 0 | 390 | ... | 49·77 | 172 | 154 |
| D | Newport W.W. (Newchurch) ... | ... Newport Corporation ... | 5 | 1 0 | 550 | ... | 53·67 | 193 | 170 |
| D | USK ... ... ... ... | ... Monmouth Agric. Instn. ... | 5 | 1 0 | 70 | ... | 46·94 | 190 | 150 |
| D | Goytre (Goytre Hall) ... ... | ... Mrs. Lionel Whitehead, O.B.E. ... ... ... | 5 | 1 0 | 300 | 46·1 | 56·79 | 192 | 149 |
| d | Blaenavon (Estate Office) ... | ... Estate Agent ... ... | 8 | 1 0 | 1144 | 55·1 | 75·13 | 204 | 174 |
| D | Abergavenny (Penpergwm) ... | ... Lt.-Col. G. Reynolds ... | 5 | 1 0 | 185 | ... | 51·07 | 165 | 142 |
| D | Abergavenny (Plas Derwen) ... | ... Alan Whitehead, Esq. ... | 5 | 1 3 | 200 | ... | 51·47 | 193 | 149 |

## DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **MONMOUTH—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **3.—USK & C.—(*contd.*).** | | | | | | | | |
| D | Abergavenny (Ty-Clyd) | F. D. Llewelyn, Esq. | 5 | 1 0 | 272 | 45·1 | 55·79 | 183 | 148 |
| d | Abergavenny (Richmond Road) | Miss E. A. Edmunds | 8 | 1 0 | 256 | 40·6 | 48·31 | 167 | 140 |
| D | Abergavenny (Larchfield) | D. Ellis Jones, Esq. | 5 | 1 0 | 240 | 37·5 | 44·83 | 162 | 133 |
| D | Grwyne Fawr (Coed Dias) | Miss Baker-Gabb | 5 | 1 0 | 950 | ... | 48·30 | 193 | 159 |
| | **4.—WYE. 117 sq. mi.** | | | | | | | | |
| D | Monmouth (Cornwall House) | P. G. Harvey, Esq., M.D. | 5 | 0 11 | 55 | ... | 36·40 | 161 | 136 |
| D | Skenfrith | W. J. Hamer, Esq.* | 5 | 1 0 | 140 | ... | 38·95 | 175 | 137 |
| D | Trewyn | Mrs. C. C. Molyneux | 5 | 0 10 | 500 | ... | 46·75 | 197 | 153 |
| D | Grosmont | Miss D. K. Estcourt | 5 | 1 0 | 420 | ... | 44·80 | 175 | 147 |
| | **GLAMORGAN. (Area, 808 sq. mi.).** | | | | | | | | |
| | **1.—LOUGHOR. 55 sq. mi.** | | | | | | | | |
| D | Felindre (Blaennant-Ddu) N. | T. Price, Esq., C.E. | 5 | 1 0 | 412 | ... | 73·49 | 222 | 178 |
| D | Felindre (Lower Lliw Res.) | T. Price, Esq., C.E. | 8 | 1 0 | 416 | ... | 70·37 | 215 | 175 |
| D | Felindre (Upper Lliw Res.) | (+A) T. Price, Esq., C.E. | 8 | 1 3 | 599 | ... | 71·58 | 208 | 179 |
| | **2.—GOWER PENINSULA. 62 sq. mi.** | | | | | | | | |
| D | Gower (Penrice Castle) | J. L. M. Sinnett, Esq. | 5 | 2 0 | 20 | ... | 50·98 | 213 | 159 |
| D | Penmaen (Cefn Mor) | Mrs. R. A. Bostock | 5 | 1 6 | 300 | 41·5 | 50·83 | 183 | 162 |
| D | FAIRWOOD COMMON | (+A) Meteorological Office | 5 | 1 9 | 268 | ... | 53·11 | 199 | 166 |
| | **3.—TAWE. 47 sq. mi.** | | | | | | | | |
| D | SWANSEA (Victoria Park) | (+A) Town Clerk | 8 | 1 0 | 32 | ... | 48·95 | 194 | 159 |
| D | Clydach (Wernfadog) | C. G. Bellingham, Esq. | 8 | 1 0 | 400 | ... | 68·28 | 230 | 186 |
| d | Clydach | Mond Nickel Co. | 5 | 1 4 | 78 | ... | 64·61 | 225 | 173 |
| D | Ystalyfera (Wern House) | Miss L. Williams | 5 | 1 6 | 240 | 64·8 | 83·14 | 207 | 182 |
| | **4.—NEATH. 82 sq. mi.** | | | | | | | | |
| D | Briton Ferry (Cefn Court) | Borough Engineer, Neath | 5 | 1 0 | 503 | 47·7 | 57·60 | 199 | 177 |
| D | Neath (Oil Refineries) | National Oil Refineries, Ltd. | 5 | 1 0 | 145 | ... | 58·51 | 191 | 169 |
| D | Neath (Cimla Reservoir) | Borough Engineer | 5 | 1 0 | 360 | ... | 62·64 | 197 | 177 |
| D | Neath (Gnoll Reservoir) | Borough Engineer | 5 | 1 0 | 204 | 52·1 | 62·23 | 198 | 174 |
| d | Neath (Glynfelin) | T. Gibbins, Esq. | 5 | 1 4 | 180 | ... | 69·41 | 204 | 182 |
| D | Rhondda W.W. (Llyn Fawr Res.) *old g.* | Elwyn Jones, Esq. | 8 | 1 0 | 1220 | 88·6 | 121·29 | 231 | 200 |
| D | Rhondda W.W.(Llyn Fawr Res.) *new g.* | Elwyn Jones, Esq. | 5 | 1 0 | 1220 | ... | 122·68 | 231 | 200 |
| D | Resolven (Brynawelan) | Forestry Commission | 5 | 0 7 | 250 | ... | 75·35 | 223 | 182 |
| | **5.—OGMORE & C. 350 sq. mi.** | | | | | | | | |
| D | St. Athan | H. Thomas, Esq. | 5 | 1 0 | 50 | ... | 47·85 | 178 | 166 |
| d | Lower Penarth | Surveyor | 5 | 1 0 | 66 | 34·9 | 43·05 | 197 | 154 |
| D | Penarth (West House) | Surveyor | 5 | 1 0 | 148 | ... | 43·65 | 183 | 152 |
| D | Dunraven Castle | Dunraven Estates Co. Ltd. | 5 | 1 0 | 71 | ... | 38·57 | 154 | 139 |
| D | Cardiff (Cogan Pumping Statn.) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 121 | 37·7 | 46·30 | 192 | 157 |
| d | Cowbridge (Tair Onen Nursery) | Forestry Commission | 5 | 1 0 | 421 | ... | 52·37 | ... | ... |
| D | Cardiff (St. Fagan's Castle) | Mr. A. W. Pearce | 5 | 1 0 | 100 | 48·5 | 53·10 | 193 | 171 |

* *Per* River Wye Catchment Board.

## DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **GLAMORGAN—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **5.—OGMORE & C.—(*contd.*).** | | | | | | | | |
| D | Cowbridge (Pentre Meyrick) ... | ... F. E. P. Dunn, Esq. ... | 5 | 1 0 | 300 | ... | 50·74 | 214 | 165 |
| | Merthyr Mawr ... ... ... | ... R. I. Nicholl, Esq. ... ... | 5 | 1 6 | 75 | 42·9 | 50·80 | 191 | 172 |
| D | Bridgend (Eiw Graig) ... ... | ... H. J. Randall, Esq. ... | 8 | 1 6 | 50 | ... | 49·56 | 223 | 172 |
| D | Llanharan (Sew. Works) ... | ... H. Thomas, Esq. ... ... | 5 | 1 0 | 175 | ... | 56·55 | 201 | 173 |
| D | Port Talbot (Aberavon) ... | ... Borough Engineer ... ... | 8 | 1 9 | 57 | ... | 47·49 | 195 | 161 |
| D | Maesteg (Isolation Hospital) ... | ... Engineer & Surveyor ... | 8 | 1 0 | 600 | ... | 81·68 | 213 | 183 |
| D | Maesteg (Welfare Park) ... | ... Engineer & Surveyor ... | 5 | 1 0 | 550 | ... | 87·99 | 217 | 178 |
| d | Pontycymmer ... ... ... | ... Mid-Glamorgan Water Bd. | 8 | 1 0 | 560 | ... | 101·72 | 205 | 175 |
| D | Ogmore Vale ... ... ... | ... Mid-Glamorgan Water Bd. | 8 | 1 2 | 580 | ... | 112·52 | 225 | 183 |
| | **6.—TAFF. 157 sq. mi.** | | | | | | | | |
| D | Llandaff (Pen Pentre) ... ... | ... R. C. McLean, Esq. ... | 5 | 1 0 | 130 | 42·2 | 51·45 | 195 | 161 |
| D | Rhubina Reservoir ... ... | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 336 | 48·1 | 59·21 | 202 | 174 |
| D | Pontypridd (Ty-Gwyn Res.) ... | ... Pontypridd & Rhondda W.B. | 5 | 1 0 | 725 | ... | 77·39 | 210 | 183 |
| D | Pontypridd (Treforest Central Sch.) | ... Headmaster ... ... ... | 5 | 1 0 | 360 | ... | 81·63 | 196 | 175 |
| D | Pontypridd (County School) ... | ... E. G. Mort, Esq. ... ... | 5 | 1 3 | 330 | ... | 75·50 | 208 | 170 |
| D | Pontypridd (Lan Wood Reservoir) | ... Pontypridd & Rhondda W.B. | 5 | 1 6 | 300 | ... | 76·90 | 214 | 185 |
| D | Porth Park ... ... ... | ... E. Taylor, Esq. ... ... | 5 | 1 0 | 400 | ... | 91·26 | 212 | 185 |
| D | Pontypridd (Llanfabon) ... | ... Pontypridd & Rhondda W.B. | 5 | 1 0 | 600 | ... | 75·68 | 212 | 187 |
| D | Ystradyfodwg (Tyntyla Hosp.) | ... Medical Officer of Health ... | 5 | 1 0 | 590 | ... | 94·23 | 220 | 186 |
| D | §Gelli-galed Rec. Ground ... | ... E. Taylor, Esq. ... ... | 5 | 1 0 | 475 | ... | 101·73 | 214 | 191 |
| D | §Treorchy Pumping Stn. ... | ... E. Taylor, Esq. ... ... | 5 | 1 0 | 515 | | 102·01 | 214 | 191 |
| D | Ferndale Park ... ... ... | ... E. Taylor, Esq. ... ... | 5 | 1 0 | 860 | ... | 98·03 | 206 | 182 |
| D | Treharris Service Reservoir ... | ... E. W. Mitchell, Esq. ... | 5 | 1 3 | 765 | 52·3 | 68·97 | 184 | 160 |
| D | Treherbert Park... ... ... | ... E. Taylor, Esq. ... ... | 5 | 1 0 | 600 | ... | 115·64 | 218 | 196 |
| D | Mountain Ash (Darranlas Res.) | ... Engineer & Surveyor ... | 5 | 0 11 | 540 | 63·0 | 79·65 | 216 | 179 |
| D | §Treherbert (Tyn-y-waun) *new g.* | ... Elwyn Jones, Esq. ... ... | 5 | 1 0 | 801 | 87·0 | 114·98 | 232 | 194 |
| D | Rhondda (Castell Nos Res.) ... | ... Pontypridd & Rhondda W.B. | 5 | 1 6 | 1060 | ... | 111·70 | 221 | 189 |
| D | Rhondda (Lluest Wen Res.) ... | ... Pontypridd & Rhondda W.B. | 5 | 1 0 | 1280 | 89·0 | 120·36 | 221 | 205 |
| D | Merthyr Tydfil (Penybryn Filters) | ... E. W. Mitchell, Esq. ... | 5 | 1 3 | 937 | 54·0 | 65·82 | 224 | 185 |
| | Merthyr Tydfil (Hanover St.) ... | ... Mrs. Griffiths ... ... | 5 | 1 0 | 600 | ... | 68·37 | ... | ... |
| D | Merthyr Tydfil (Ardwyn) ... | ... F. L. G. Bevan, Esq. ... | 5 | 0 9 | 770 | ... | 66·70 | 217 | 170 |
| D | Dowlais ... ... ... ... | ... Imperial Chem. Industries | 5 | 1 7 | 1075 | ... | 70·26 | 220 | 183 |
| D | Dowlais (Gwernllwyn) ... | ... A. F. Adams, Esq. ... ... | 5 | 1 0 | 1071 | 51·4 | 65·47 | 212 | 175 |
| D | Dowlais (Garth Filter Beds) ... | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 1245 | ... | 76·70 | 230 | 190 |
| | **7.—RHYMNEY. 55 sq. mi.** | | | | | | | | |
| D | Cardiff (Roath Park) ... ... | ... Chief Officer of Parks ... | 5 | 1 0 | 51 | 41·6 | 49·36 | 207 | 168 |
| D | CARDIFF (Penylan) ... ... | (+A) Medical Officer of Health ... | 5 | 1 0 | 202 | 41·4 | 48·31 | 191 | 160 |
| D | Cardiff (Heath Filters) ... | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 132 | 41·3 | 50·01 | 210 | 164 |
| D | Llanishen Reservoir ... ... | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 155 | 39·4 | 50·53 | 205 | 167 |
| D | Ystrad Mynach (Park Lane) ... | ... E. B. Johnston, Esq. ... | 5 | 1 0 | 506 | ... | 73·74 | 214 | 173 |
| D | Rhymney Bridge Reservoir ... | ... Engineer ... ... ... | 8 | 0 6 | 1150 | ... | 71·12 | 241 | 210 |
| | **CARMARTHEN. (Area, 918 sq. mi.)** | | | | | | | | |
| | **1.—TEIFI. 87 sq. mi.** | | | | | | | | |

§ Turf wall round gauge.

## DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | CARMARTHEN—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **2.—TOWY & C. 715 sq. mi.** | | | | | | | | |
| D | PANTYRHUAD | L. Evans, Esq., M.A. | 5 | 1 0 | 400 | ... | 59·56 | 214 | 166 |
| D | Carmarthen (Farm Inst.) | Principal | 5 | 1 0 | 17 | ... | 60·51 | 201 | 169 |
| D | Carmarthen (St. David's Avenue) | E. W. Francis, Esq. | 5 | 1 0 | 100 | ... | 54·25 | 202 | 157 |
| D | Carmarthen (Cwmoernant Res.) | G. L. Ovens, Esq. | 5 | 1 0 | 165 | ... | 61·30 | 210 | 184 |
| D | Carmarthen (Fryn-hir) | C. V. Lewis, Esq. | 5 | 1 0 | 155 | ... | 60·23 | 218 | 173 |
| D | Llandilo (Dynevor Castle) | Lord Dynevor | 8 | 1 6 | 202 | 53·2 | 60·93 | 238 | 180 |
| W | Llyn-y-fan Fach (Waen Sychlwch) | Llanelly R.D.C. | 5 | 1 0 | 1647 | 103·0 | 134·98 | ... | ... |
| D | Llyn-y-fan Fach (Nant Coch) | Llanelly R.D.C. | 5 | 1 0 | 1172 | 77·8 | 95·03 | 206 | 200 |
| W | Llyn-y-fan Fach (Bua'r Llyn) | Llanelly R.D.C. | 5 | 1 0 | 1650 | 102·0 | 127·63 | ... | ... |
| D | Llanddeusant (Pontcrynfe) | J. Thomas, Esq. | 5 | 1 0 | 323 | 55·6 | 67·33 | 226 | 176 |
| D | Conwil-Elvit (Cwmtawel Res.) | G. L. Ovens, Esq. | 5 | 1 0 | 350 | ... | 72·76 | 228 | 198 |
| D | Brechfa | Capt. C. Joynson | 5 | 1 0 | 290 | ... | 75·59 | 230 | 184 |
| D | Abergorlech | S. L. Davies, Esq. | 5 | 1 0 | 245 | ... | 69·77 | 217 | 181 |
| D | Llandovery (Nantyrhogfaen) | D. T. M. Jones, Esq. | 5 | 1 0 | 249 | 50·8 | 58·21 | 223 | 175 |
| d | Cynghordy (Clynsaer) | B. R. Gibbins, Esq. | 5 | 1 0 | 490 | ... | 54·61 | ... | ... |
| | **3.—LOUGHOR & C. 104 sq. mi.** | | | | | | | | |
| D | Llanelly (Filter Beds) | Llanelly U.D.C. | 5 | 1 0 | 237 | 48·7 | 59·73 | 214 | 172 |
| D | Llanelly (Cwmlliedi W.W.) | Llanelly U.D.C. | 5 | 1 1 | 240 | 48·7 | 59·73 | 213 | 174 |
| D | Pembrey (The Colony) | Forestry Commission | 5 | 1 0 | 19 | ... | 45·60 | 191 | 161 |
| D | Llanelly (Upper Lliedi Res.) | Llanelly U.D.C. | 5 | 0 11 | 290 | ... | 64·25 | 224 | 177 |
| D | Kidwelly | Llanelly U.D.C. | 5 | 1 6 | 60 | ... | 55·03 | 202 | 165 |
| W | Llannon Reservoir | Llanelly R.D.C. | 5 | 1 0 | 860 | ... | 70·84 | ... | ... |
| | **4.—TAWE. 7 sq. mi.** | | | | | | | | |
| | **5.—USK. 5 sq. mi.** | | | | | | | | |
| | **6.—WYE.** | | | | | | | | |
| | **PEMBROKE. (Area, 617 sq. mi.)** | | | | | | | | |
| | **1.—TEIFI. 37 sq. mi.** | | | | | | | | |
| | **2.—NEVERN & C. 91 sq. mi.** | | | | | | | | |
| D | Goodwick (Trenewydd) | Mrs. G. M. Johns | 5 | 1 0 | 300 | ... | 41·45 | 204 | 169 |
| | **3.—WEST COAST STREAMS. 82 sq. mi.** | | | | | | | | |
| | **4.—CLEDDAU & C. 407 sq. mi.** | | | | | | | | |
| d | Pembroke (Stackpole Court) | Mr. F. G. Garlick | 6 | 1 0 | 60 | 39·3 | 43·13 | ... | ... |
| D | TENBY (The Priory) | Town Clerk | 8 | 1 0 | 64 | 40·9 | 46·39 | 206 | 156 |
| D | ST. ANN'S HEAD (C. Guard Station) | Station Officer (M.O.) | 8 | 1 0 | 142 | 37·1 | 39·87 | 178 | 140 |
| D | PEMBROKE DOCK | Meteorological Office | 8 | 1 0 | 40 | ... | 43·72 | 201 | 148 |
| D | Narberth (Bloomfield) | Miss L. Lewis Lloyd | 5 | 0 10 | 275 | ... | 57·10 | 242 | 180 |
| D | HAVERFORDWEST (Hospital Gnds.) | Borough Surveyor | 5 | 1 0 | 133 | ... | 45·39 | 219 | 169 |
| d | Maenclochog (Ddolwen Bridge) | Milford Haven U.D.C. | 5 | ... | 740 | ... | 72·56 | ... | 176 |
| D | Letterson (Trecwn House) | Superintending Engineer | 8 | 0 10 | 391 | ... | 56·49 | ... | 177 |

## DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **CARDIGAN. (Area, 688 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—DOVEY. 20 sq. mi.** | | | | | | | | |
| D | Glandyfi (Ynyshir Hall) | W. H. Mappin, Esq. | 5 | 1 0 | 45 | ... | 43·28 | 213 | 169 |
| | **2.—YSTWYTH & C. 347 sq. mi.** | | | | | | | | |
| D | ABERPORTH | Meteorological Office | 5 | 1 0 | 376 | ... | 39·47 | 209 | 152 |
| | Llanafan (Blaenddol) | R. Roberts, Esq., for M.O. | ... | ... | 500 | ... | 56·50 | ... | ... |
| D | ABERYSTWYTH (Corporation Yard) | Town Clerk | 8 | 1 0 | 12 | 36·5 | 37·41 | 197 | 143 |
| D | ABERYSTWYTH (P.B.S.) | Dr. T. J. Jenkin | 5 | 1 0 | 452 | ... | 43·75 | 218 | 148 |
| D | TALYBONT (LLETTY-EVAN-HEN) | Dr. T. J. Jenkin | 5 | 1 0 | 930 | ... | 45·30 | 207 | 175 |
| d | Afon Rheidol (Nant-y-Moch) | Water Engineer, Aberystwyth | 5 | 1 0 | 1060 | ... | 75·50 | ... | 184 |
| M | §Plynlimon (Llygad Rheidol) *Higher g.* | Water Engineer, Aberystwyth | 5 | 1 0 | 1660 | ... | 101·90 | ... | ... |
| M | §Plynlimon (Llygad Rheidol) *Lower g.* | Water Engineer, Aberystwyth | 5 | 1 0 | 1650 | ... | 105·30 | ... | ... |
| | **3.—TEIFI. 260 sq. mi.** | | | | | | | | |
| D | Llandyssul (Prengwyn) | Late E. Jones, Esq. | 5 | 0 9 | 625 | ... | 50·48 | 217 | 170 |
| D | Cardigan (Plas Llangoedmore) | D. Berrington Davies, Esq. | 5 | 1 0 | 120 | ... | 40·50 | 195 | 158 |
| d | Lampeter (Falcondale) | Sir A. Harford, Bt. | 5 | 1 0 | 498 | 50·0 | 54·59 | ... | 173 |
| | **4.—TOWY. 46 sq. mi.** | | | | | | | | |
| M | Abergwesyn (Nantneuadd) | Mr. T. Williams, for M.O. | 5 | 1 0 | 1000 | 64·6 | 73·25 | ... | ... |
| | **5.—WYE. 15 sq. mi.** | | | | | | | | |
| M | §Birmingham W.W. (Llyn Cynon) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1500 | 70·7 | 77·00 | ... | ... |
| M | §Birmingham W.W. (Bwlchyrhendre) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1585 | 67·4 | 78·20 | ... | ... |
| M | Birmingham W.W. (Claerddu) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1470 | 71·6 | 78·55 | ... | ... |
| M | Birmingham W.W. (Gwngu) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1490 | ... | 76·25 | ... | ... |
| D | §Birmingham W.W. (Abergwngu) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1150 | 67·1 | 82·34 | 245 | 199 |
| M | Plynlimon | D. J. Thomas, Esq., for M.O. | 5 | 1 0 | 1630 | 108·0 | 104·50 | ... | ... |
| | **BRECON. (Area, 733 sq. mi.)** | | | | | | | | |
| | **1.—TOWY. 17 sq. mi.** | | | | | | | | |
| | **2.—TAWE. 41 sq. mi.** | | | | | | | | |
| D | Ystradgynlais (Yniscedwyn Ho.) | G. Coleman, Esq. | 5 | 0 9 | 232 | 65·2 | 83·69 | 217 | 185 |
| D | Swansea W.W. (Nantyrwydd) | T. Price, Esq., C.E. | 5 | 0 10 | 908 | 84·3 | 93·33 | 228 | 219 |
| | **3.—NEATH. 48 sq. mi.** | | | | | | | | |
| D | Ystradfellte Reservoir | Engineer (Neath R.D.C.) | 5 | 1 0 | 1147 | 85·4 | 100·23 | 234 | 198 |
| | **4.—TAFF. 48 sq. mi.** | | | | | | | | |
| D | Aberdare (Nanthir Reservoir) | I. A. Bryant, Esq., C.E. | 5 | 1 0 | 860 | 59·6 | 74·70 | 243 | 179 |
| D | Cardiff W.W. (Cefn-Coed-y-Cymmer) | G. W. Cover, Esq., C.E. | ... | ... | 790 | ... | 71·06 | 227 | 180 |
| M | Taf Fechan (Pontsticill West) 14 | A. C. Quiningborough, Esq. | 5 | 1 0 | 1254 | ... | 76·25 | ... | ... |
| D | Cardiff W.W. (Llwynon Res.) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 860 | 64·7 | 78·63 | 230 | 190 |
| W | Cardiff W.W. (Nant Ffynnon) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1352 | 73·2 | 89·57 | ... | ... |
| M | Cardiff W.W. (Garn Ddu) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1340 | 70·3 | 88·76 | ... | ... |

§ Turf wall round gauge.

## DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **BRECON—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **4.—TAFF—(*contd.*).** | | | | | | | | |
| D | Cardiff W.W. (Garw-nant) ... | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 1100 | 75·5 | 90·46 | 233 | 199 |
| W | Cardiff W.W. (Nant-Gwineu) | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 1200 | 67·5 | 86·49 | ... | ... |
| W | Cardiff W.W. (Cefn Gougarn) | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 1362 | 75·7 | 89·50 | ... | ... |
| W | Cardiff W.W. (Llysiog) ... | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 1080 | 68·7 | 85·38 | ... | ... |
| | Taf Fechan (Pentwyn Res. N.) | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 1090 | ... | 85·20 | ... | ... |
| D | Taf Fechan (Pentwyn Res. S.) | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 1120 | 68·0 | 88·80 | 243 | 204 |
| W | Cardiff W.W. (Twyn-Gareg) ... | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 1501 | 86·7 | 100·10 | ... | ... |
| D | Cardiff W.W. (CANTREF R.) ... | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 1080 | 69·9 | 88·89 | 237 | 201 |
| D | Cardiff W.W. (Beacons Res.) ... | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 1357 | 79·3 | 105·24 | 240 | 212 |
| W | Cardiff W.W. (Nant Penig) ... | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 2000 | 92·9 | 114·09 | ... | ... |
| D | Cardiff W.W. (Storey Arms Field) | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 1430 | 88·5 | 108·37 | 239 | 216 |
| W | Cardiff W.W. Blaen Taf Fawr | ... G. W. Cover, Esq., C.E. ... | 5 | 1 0 | 1430 | 85·7 | 112·01 | ... | ... |
| D | Taf Fechan (Neuadd Rs.) No. 1A | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 1423 | 84·6 | 103·98 | 243 | 208 |
| D | Taf Fechan (Neuadd Rs.) No. 4 | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 1487 | 83·0 | 102·80 | 243 | 208 |
| D | Taf Fechan (Neuadd Rs.) No. 11 | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 1524 | 68·3 | 97·15 | 243 | 207 |
| D | Taf Fechan (Neuadd Rs.) No. 11A | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 1520 | ... | 100·96 | 243 | 209 |
| M | Taf Fechan (Neuadd Rs.) No. 2 | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 1993 | ... | 96·15 | ... | ... |
| M | Taf Fechan (Neuadd Rs.) No. 5 | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 1515 | 83·3 | 108·05 | ... | ... |
| M | Taf Fechan (Neuadd Rs.) No. 10 | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 1700 | 72·7 | 93·05 | ... | ... |
| M | Taf Fechan (Neuadd Rs.) No. 7 | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 2017 | 92·2 | 108·95 | ... | ... |
| M | Taf Fechan (Neuadd Rs.) No. 8 | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 1723 | 87·4 | 110·75 | ... | ... |
| M | Taf Fechan (Neuadd Rs.) No. 6 | ... A. C. Quiningborough, Esq. | 5 | 1 0 | 2099 | 95·4 | 125·85 | ... | ... |
| | **5.—RHYMNEY. 2 sq. mi.** | | | | | | | | |
| | **6.—EBBW. 7 sq. mi.** | | | | | | | | |
| D | Ebbw Vale W.W. (Llangynidr) 1 | ... J. G. Hoskins, Esq. ... | 5 | 1 0 | 1413 | 58·8 | 78·83 | 224 | 185 |
| D | Ebbw Vale W.W. (Llangynidr) W3 | ... J. G. Hoskins, Esq. ... | 5 | 1 0 | 1468 | ... | 82·92 | 224 | 186 |
| D | Ebbw Vale W.W. (Llangynidr) NW2 | ... J. G. Hoskins, Esq. ... | 5 | 1 0 | 1471 | ... | 80·54 | 224 | 186 |
| D | Ebbw Vale W.W. (Carno, E.) | ... J. G. Hoskins, Esq. ... | 5 | 1 0 | 1391 | ... | 74·27 | 224 | 182 |
| D | Ebbw Vale W.W. (Carno, W.) | ... J. G. Hoskins, Esq. ... | 5 | 1 0 | 1412 | ... | 78·20 | 224 | 184 |
| D | Ebbw Vale W.W. (Carno, N.) | ... J. G. Hoskins, Esq. ... | 5 | 1 0 | 1491 | ... | 77·51 | 224 | 187 |
| | **7.—USK. 299 sq. mi.** | | | | | | | | |
| D | Gilwern (Bryn-yr-Haul) ... | ... Mrs. J. John ... ... | 5 | 1 0 | 590 | ... | 59·71 | 204 | 164 |
| | Torpantau (Darenfawr) ... | ... Newport Corporation ... | 5 | 1 0 | 1172 | ... | 89·80 | ... | ... |
| | Torpantau (Ynysposte) ... | ... Newport Corporation ... | 5 | 1 0 | 741 | ... | 86·17 | ... | ... |
| | Torpantau (Blaen-caer-fanell) | ... Newport Corporation ... | 5 | 1 0 | 1584 | ... | 93·91 | ... | ... |
| D | Talybont (Ffynonwen) ... | ... Newport Corporation ... | 5 | 1 0 | 629 | ... | 76·13 | 217 | 179 |
| | Talybont (Pwll Ifor) ... ... | ... Newport Corporation ... | 5 | 1 0 | 1224 | ... | 88·38 | ... | ... |
| D | Talybont (Filter House) ... | ... Newport Corporation ... | 5 | 1 0 | 554 | ... | 74·21 | 220 | 182 |
| | Talybont (Craig Pwllfa) ... | ... Newport Corporation ... | 5 | 0 7 | 1796 | ... | 94·13 | ... | ... |
| D | Talybont (Tyle Clydach) ... | ... Newport Corporation ... | 5 | 1 11 | 709 | ... | 72·15 | 215 | 177 |
| | Talybont (Nant-y-Llanerch) ... | ... Newport Corporation ... | 5 | 1 0 | 1007 | ... | 87·04 | ... | ... |
| | Talybont (Cefn Bach) ... ... | ... Newport Corporation ... | 5 | 1 3 | 1263 | ... | 91·23 | ... | ... |
| D | Crickhowell (Glanusk Park) ... | ... Lord Glanusk ... ... | 5 | 1 0 | 290 | ... | 53·49 | 192 | 149 |
| M | Swansea W.W. (Cray Rs.) No. 2 | ... T. Price, Esq., C.E.... | 5 | 1 0 | 1019 | ... | 90·25 | ... | ... |
| D | Swansea W.W. (Cray Rs.) No. 1 (+A) | T. Price, Esq., C.E.... ... | 5 | 1 0 | 1043 | ... | 84·09 | 239 | 199 |
| M | Cray Post Office ... ... | ... J. A. Jones, Esq., for M.O. | 5 | 1 0 | 930 | 69·1 | 88·25 | ... | ... |
| D | Talybont (Ashford) ... ... | ... J. Henderson, Esq. ... | 5 | 1 0 | 360 | ... | 57·49 | 204 | 149 |
| D | Llanfrynach (Ty-mawr) ... | ... Miss M. D. de Winton ... | 5 | 1 0 | 450 | ... | 56·60 | 199 | 169 |
| D | CRICKHOWELL (Dan-y-Parc) ... | ... R. G. Sandeman, Esq. ... | 8 | 1 0 | 210 | ... | 49·25 | 206 | 145 |

## DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **BRECON—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **7.—USK—(*contd.*).** | | | | | | | | |
| D | Talybont (Yscythrog) ... ... | ... Lt.-Col. C. G. Cole-Hamilton, C.M.G. ... ... ... | 5 | 1 0 | 451 | ... | 48·97 | 202 | 157 |
| M | Crickhowell (Cwmdu School Ho.) | ... T. Davies, Esq. ... ... | 5 | 1 0 | 400 | ... | 46·43 | ... | ... |
| M | Crickhowell (Tal-y-maes) ... | ... Mrs. E. Jones, for M.O. ... | 5 | 1 0 | 1250 | ... | 55·95 | ... | ... |
| D | Trecastle (Blaenau-hydfer) ... | ... Mr. M. Davies, for M.O. ... | 5 | 1 0 | 970 | 63·2 | 89·81 | 234 | 199 |
| D | Brecon (Tairbull School) ... | ... W. O. Davies, Esq. ... | 5 | 1 0 | 660 | 52·0 | 55·71 | 223 | 171 |
| D | Brecon (Ffrwdgrech) ... ... | ... Capt. J. D. D. Evans ... | 5 | 1 1 | 560 | ... | 52·67 | 200 | 150 |
| D | Brecon (Waterworks) ... ... | ... Borough Engineer ... ... | 5 | 1 0 | 550 | ... | 52·60 | 206 | 155 |
| d | Brecon (Mount Street School) | ... Headmaster ... ... ... | 5 | 0 11 | 494 | ... | 52·45 | ... | ... |
| D | Black Mountains (Blaen-y-cwm) | ... W. Cory Goddard, Esq., C.E. | 5 | 1 0 | 1423 | ... | 65·20 | 218 | 187 |
| D | Black M. (The Dam, Grwyne Fawr) | W. Cory Goddard, Esq., C.E. | 5 | 1 0 | 1620 | ... | 65·29 | 218 | 187 |
| | **8.—WYE. 271 sq. mi.** | | | | | | | | |
| D | Cathedine Rectory ... ... | ... Rev. J. H. Roderick, for M.O. | 5 | 1 6 | 650 | ... | 48·47 | 191 | 155 |
| D | Talgarth (Arfryn) ... ... | ... F. T. Morgan, Esq. ... | 5 | 1 0 | 450 | *33·2* | 39·79 | 171 | 147 |
| D | Talgarth (South Wales San.) ... | ... Dr. H. E. Watson ... ... | 5 | 1 0 | 500 | ... | 42·60 | 186 | 148 |
| W | Llanwrtyd Wells (Abernant) | ... T. A. Poole, Esq.* ... | 5 | 1 0 | 632 | 57·2 | 64·62 | ... | ... |
| D | Garth ... ... ... ... ... | ... T. A. Poole, Esq.* ... ... | 5 | 1 0 | 541 | ... | 62·11 | 213 | 173 |
| M | Abergwesyn (Trallwn) ... ... | ... D. I. Felix, Esq., for M.O. | 5 | 1 0 | 1000 | 75·5 | 91·60 | ... | ... |
| D | Beulah (Llwyn Madoc) ... | ... C. M. Evan-Thomas, Esq.... | 5 | 1 0 | 763 | ... | 72·92 | 222 | 200 |
| | Llanafanfawr School ... ... | ... W. D. Swan, Esq. ... ... | 5 | 1 0 | 800 | ... | 69·98 | ... | ... |
| M | Newbridge (Pengraig) ... ... | ... Miss A. Williams, for M.O. | 5 | 1 0 | 960 | 56·5 | 72·50 | ... | ... |
| D | Newbridge (Llysdinam) ... | ... Sir C. Venables Llewelyn, Bt. | 5 | 1 3 | 646 | 41·2 | 53·94 | 207 | 169 |
| M | §Birmingham W.W. (Cors-yr-hwch) | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1775 | 87·3 | 100·45 | ... | ... |
| M | §Birmingham W.W. (Esgair Ceiliog) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1560 | 77·3 | 92·54 | ... | ... |
| M | §Birmingham W.W. (Llyn-Carw) | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1775 | 79·3 | 95·55 | ... | ... |
| M | §Birmingham W.W. (Nant-y-car) | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1545 | 76·5 | 87·60 | ... | ... |
| M | §Birmingham W.W. (Arban) ... | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1500 | 72·2 | 89·60 | ... | ... |
| M | §Birmingham W.W. (Tyn-y-pant) | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1320 | 62·0 | 79·47 | ... | ... |
| M | §Birmingham W.W. (Esgair Garthen) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1590 | 75·5 | 88·10 | ... | ... |
| D | Birmingham W.W. (Elan Village) | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 700 | 54·4 | 69·22 | 241 | 181 |
| | **RADNOR. (Area, 474 sq. mi.)** | | | | | | | | |
| | **1.—WYE. 424 sq. mi.** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| D | Glasbury-on-Wye (Hampton School) | D. W. Lloyd, Esq. ... ... | 5 | 1 0 | 276 | 33·9 | 39·97 | 179 | 136 |
| D | Llyswen (Llanstephan Ho. Gdns.) | ... Lady Milford ... ... | 5 | 1 3 | 440 | ... | 49·52 | 183 | 152 |
| d | Erwood Station ... ... | ... Mrs. Powell* ... ... | 5 | 1 0 | 407 | ... | 53·04 | ... | 146 |
| D | Newchurch ... ... ... | ... F. E. Lloyd, Esq.* ... ... | 5 | 1 0 | 801 | ... | 46·04 | 198 | 156 |
| D | §Builth (Cefndyrys) ... ... | ... Capt. E. A. Thomas ... | 5 | 1 0 | 740 | 41·5 | 49·30 | 209 | 158 |
| D | Builth (Pencerrig) ... ... | ... Cdr. C. L. Evan-Thomas, ... | 5 | 1 6 | 750 | ... | 45·70 | 201 | 151 |
| d | Llansaintfraed-in-Elvel ... | ... R. Parry, Esq. ... ... | 5 | 1 0 | 673 | 38·7 | 45·01 | 199 | 151 |
| D | New Radnor (Harpton Crt. Gdns.) | ... Sir Henry Duff Gordon, Bt. | 5 | 0 6 | 700 | 43·8 | 47·78 | 195 | 151 |
| D | §Birmingham W.W. (Tyrmynydd) | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 832 | 62·1 | 74·58 | 244 | 196 |
| D | Birmingham W.W. (Ciloerwynt) | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1045 | ... | 78·39 | 249 | 200 |
| D | Birmingham W.W. (Nantgwillt) | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 840 | 63·2 | 74·25 | 247 | 187 |
| M | §Birmingham W.W. (Dwfnant) | ... C. A. Risbridger, Esq., C.E. | 5 | 1 2 | 1050 | 65·3 | 78·40 | ... | ... |
| M | §Birmingham W.W. (Esgair Gader) 2 | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1500 | 67·3 | 84·40 | ... | ... |
| M | Birmingham W.W. (Tynllidiart) | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1006 | 62·9 | 81·04 | ... | ... |
| | §Birmingham W.W. (Claerwen) | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1250 | 67·7 | 76·45 | ... | ... |
| D | §Birmingham W.W. (Tynant) ... | ... C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1020 | 64·3 | 82·21 | 249 | 201 |
| D | §RHAYADER ... ... ... | ... R. Ashton, Esq., for M.O. | 5 | 1 0 | 757 | 47·0 | 56·04 | 224 | 159 |

* *Per* River Wye Catchment Board. § Turf wall round gauge.

# DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **RADNOR—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **1.—WYE—(*contd.*).** | | | | | | | | |
| D | Rhayader (East Street) | R. Ashton, Esq. | 5 | 1 | 700 | 49·2 | 59·31 | 206 | 163 |
| d | Llanddewi-Ystradenny | J. E. Price, Esq.* | 5 | 1 | 767 | ... | 48·02 | 207 | 167 |
| M | §Birmingham W.W. (Cerigllwydion) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 1710 | 72·4 | 91·00 | ... | ... |
| M | §Birmingham W.W. (Pen-y-gareg) 1 | C. A. Risbridger, Esq., C.E. | 5 | 1 | 1500 | ... | 74·64 | ... | ... |
| M | §Birmingham W.W. (Pen-y-gareg) 2 | C. A. Risbridger, Esq., C.E. | 5 | 1 | 1540 | ... | 74·13 | ... | ... |
| M | Birmingham W.W. (Bryn Hir) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 1470 | 74·2 | 92·15 | ... | ... |
| M | Birmingham W.W. (Abercaethon) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 1240 | 67·1 | 84·90 | ... | ... |
| M | §Birmingham W.W. (Calettwr) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 1490 | 72·5 | 87·95 | ... | ... |
| D | Abbey Cwmhir (The Hall) | Col. J. L. Philips | 5 | 0 | 877 | ... | 52·43 | 189 | 160 |
| d | Llangunllo | H. Kendrick, Esq.* | 5 | 1 | 776 | ... | 50·62 | 202 | 166 |
| M | §Birmingham W.W. (Figin) No. 2 | C. A. Risbridger, Esq., C.E. | 5 | 1 | 1700 | 81·3 | 93·50 | ... | ... |
| M | Birmingham W.W. (Aberhenllan) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 1070 | 64·8 | 81·75 | ... | ... |
| M | Llanbister (Llananno) | Mrs. A. Jones, for M.O. | 5 | 1 | 900 | 45·1 | 58·50 | ... | ... |
| D | St. Harmons | J. Hope, Esq.** | 5 | 1 | 918 | ... | 59·72 | 208 | 161 |
| d | §St. Harmons (Bwlch-y-Sarnau) | Mr. J. Wozencroft** | 5 | 1 | 1288 | ... | 57·32 | ... | 176 |
| D | Llanbadarn-Fynydd | Mr. P. A. Stephens** | 5 | 1 | 974 | ... | 58·78 | 240 | 188 |
| D | §St. Harmons (Pen-Ithon) | Mr. J. W. Evans* | 5 | 1 | 1226 | ... | 60·38 | 241 | 183 |
| | **2.—SEVERN. Right Bank Tributaries. 50 sq. mi.** | | | | | | | | |
| | **MONTGOMERY. (Area, 797 sq. mi.)** | | | | | | | | |
| | **1.—DOVEY. 120 sq. mi.** | | | | | | | | |
| D | Machynlleth (Plas Llwyn Gwern) | The Hon. R. E. B. Beaumont | 5 | 0 | 150 | ... | 90·77 | 214 | 187 |
| | **2.—YSTWYTH. 7 sq. mi.** | | | | | | | | |
| | **3.—WYE. 37 sq. mi.** | | | | | | | | |
| D | Birmingham W.W. (Bod-Talog) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 1250 | 65·8 | 81·25 | 235 | 208 |
| | Birmingham W.W. (Glan-Fedwen) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 1375 | 67·7 | 81·44 | ... | ... |
| | Llangurig (Dernol) | E. W. Price, Esq., for M.O. | 5 | 1 | 870 | 52·7 | 68·30 | ... | ... |
| d | Llangurig (Tyn-y-Llechwedd) | Mr. E. R. Rowlands** | 5 | 1 | 1074 | ... | 87·28 | 203 | 184 |
| | **4.—SEVERN. Right Bank Tributaries. 154 sq. mi.** | | | | | | | | |
| D | Llanidloes (Mount Severn) | A. L. Onslow, Esq. | 5 | 1 | 600 | ... | 60·63 | 191 | 170 |
| D | Newtown (Mochdre Res.) | Surveyor | 5 | 0 | 650 | ... | 49·18 | 192 | 157 |
| D | Newtown (Penarth Weir) | Canal Engr., L.M. & S. Rly. | 8 | 1 | 321 | 35·0 | 45·56 | 209 | 166 |
| | **5.—SEVERN. Left Bank Tributaries. 479 sq. mi.** | | | | | | | | |
| D | Berriew (Vaynor Park) | Major W. J. Corbett-Winder | 5 | 1 | 650 | ... | 36·53 | 198 | 154 |
| D | Berriew (Brithdir Hall) | Mrs. F. E. Marston | 5 | 1 | 350 | 30·7 | 37·63 | 192 | 152 |
| D | WELSHPOOL (County School) | Headmaster | 5 | 1 | 254 | 30·1 | 34·73 | 221 | 142 |
| D | Welshpool (Fron Llwyd) | Col. G. B. D. Harrison | 5 | 1 | 500 | 33·7 | 38·40 | 169 | 149 |
| | Garthbeibio (Bwlch Tomlyd) | J. R. Jones, Esq., for M.O. | 5 | 1 | 1200 | 71·0 | 84·50 | ... | ... |
| D | Llanymynech (Penrhos Vicarage) | Rev. W. Griffith | 5 | 1 | 300 | ... | 40·62 | 216 | 163 |
| d | Llanfyllin (Penllwyn) | Major W.M.Dugdale,D.S.O. | 5 | 0 | 649 | ... | 51·22 | 234 | 173 |
| | Lake Vyrnwy (Cownwy Dam) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 | 929 | ... | 73·79 | ... | ... |
| | Llanymynech (Pentreheylin Hall) | H. P. Hall, Esq. | 5 | 2 | 220 | ... | 33·29 | ... | ... |

§ Turf wall round gauge. * *Per* River Wye Catchment Board.
** *Per* River Wye Catchment Board (by courtesy of the local County Council).

## DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **MONTGOMERY**—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **5.—SEVERN. Left Bank Tributaries—(*contd.*).** | | | | | | | | |
| W | Llanymynech (White Rock) | J. Moon, Esq. | 5 | 1 0 | 350 | ... | 33·09 | ... | ... |
| D | Lake Vyrnwy | H. J. Minett, Esq. | 5 | 0 7 | 770 | 54·0 | 72·23 | 217 | 187 |
| | Lake Vyrnwy (Gerig) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 1230 | ... | 94·21 | ... | ... |
| | Lake Vyrnwy (Bryn Gwyn) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 1311 | *56·7* | 74·56 | ... | ... |
| D | LAKE VYRNWY (Experimental Stn.) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 995 | ... | 73·84 | 226 | 186 |
| D | Lake Vyrnwy (Bank Cynon Isaf) (+A) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 750 | 55·3 | 65·21 | 208 | 169 |
| | Lake Vyrnwy (Lakeside) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 835 | ... | 74·34 | ... | ... |
| | Lake Vyrnwy (Ty Uchaf) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 860 | 58·1 | 72·80 | ... | ... |
| | Lake Vyrnwy (Heol-y-ffridd) No. 1 | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 913 | ... | 93·36 | ... | ... |
| | Lake Vyrnwy (Heol-y-ffridd) No. 2 | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 830 | ... | 91·49 | ... | ... |
| | Lake Vyrnwy (Tyn-y-ffridd) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 1010 | ... | 68·18 | ... | ... |
| | Lake Vyrnwy (Lluestwen) No. 2 | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 1620 | ... | 96·50 | ... | ... |
| | Lake Vyrnwy (Llwynrhiw) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 1428 | ... | 98·86 | ... | ... |
| | Lake Vyrnwy (Nant Cawell) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 1610 | 77·4 | 105·95 | ... | ... |
| | Lake Vyrnwy (Hirnant) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 766 | ... | 63·75 | ... | ... |
| | Lake Vyrnwy (Eunant Bridge) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 830 | ... | 91·22 | ... | ... |
| | Lake Vyrnwy (Gadfa) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 1521 | 81·4 | 106·70 | ... | ... |
| | Lake Vyrnwy (Carreg Goch) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 1750 | 66·1 | 87·42 | ... | ... |
| | Lake Vyrnwy (Rhiwargor) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 860 | ... | 87·57 | ... | ... |
| | Lake Vyrnwy (Stone) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 1499 | 72·2 | 92·19 | ... | ... |
| | §Lake Vyrnwy (Fawnog) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 1315 | 55·7 | 75·21 | ... | ... |
| | Lake Vyrnwy (Pennant Melangell) | Lt.-Col. F. Hibbert, C.E. | 8 | 1 0 | 660 | ... | 67·96 | ... | ... |
| | Lake Vyrnwy (Erw Berfedd) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 1800 | 67·8 | 91·80 | ... | ... |
| D | Pen-y-bont (Rhiwlas) | Lt.-Col. F. Hibbert, C.E. | 5 | 1 0 | 748 | ... | 52·81 | 210 | 172 |
| | **FLINT. (Area, 256 sq. mi.)** | | | | | | | | |
| | **1.—DEE. 198 sq. mi.** | | | | | | | | |
| D | Hanmer (Gredington) | Lady Kenyon | 5 | 1 0 | 300 | 30·4 | 32·43 | 180 | 139 |
| D | Hawarden (High Park) | C. F. Williams, Esq. | 5 | 0 10 | 256 | ... | 33·77 | 195 | 151 |
| D | HAWARDEN | Meteorological Office | 5 | 1 0 | 15 | ... | 29·99 | 179 | 138 |
| D | Mold (Mount Pleasant) | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 503 | ... | 35·63 | 205 | 159 |
| D | Cilcain (No. 2 Reservoir) | Hawarden & Dist. W.W. Co. | 5 | 1 0 | 785 | ... | 37·72 | 207 | 167 |
| W | Cilcain (No. 4 Reservoir) | Hawarden & Dist. W.W. Co. | 5 | 1 0 | 900 | ... | 35·84 | ... | ... |
| D | Northop (Soughton Hall) | R. W. Bankes, Esq. | 5 | 1 0 | 418 | 32·1 | 38·65 | 224 | 173 |
| D | Cilcain (Cilcen Hall) | W.B.Yates,Esq.,D.L.,C.B.E. | 5 | 0 9 | 700 | 29·7 | 42·71 | 214 | 168 |
| D | Connah's Quay (Mold Road) | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 43 | ... | 32·14 | 205 | 141 |
| D | Connah's Quay (Pengwladys) | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 231 | ... | 29·56 | 201 | 140 |
| D | HAWARDEN BRIDGE | Messrs. J. Summers & Sons | 8 | 1 0 | 17 | 24·3 | 29·75 | 177 | 137 |
| d | Halkyn (Bryn Awel) | Halkyn District Mines, Ltd. | 5 | 0 7 | 870 | ... | 36·79 | 180 | 150 |
| D | Mostyn | Darwen & Mostyn Iron Co., Ltd. | 5 | 3 2 | 15 | ... | 32·41 | 194 | 144 |
| | **2.—CLWYD. 51 sq. mi.** | | | | | | | | |
| D | Bodfari (Nantlys) | A. D. H. Pennant, Esq. | 5 | 1 5 | 178 | 27·4 | 31·28 | 203 | 142 |
| D | Dyserth (Penlee) | L. Wilson, Esq. | 5 | 1 0 | 260 | ... | 30·43 | 206 | 142 |
| D | RHYL (Sewage Works) | Medical Officer of Health | 5 | 1 0 | 31 | 25·8 | 29·30 | 192 | 139 |
| D | PRESTATYN | Clerk to the U.D.C. | 5 | 1 0 | 18 | ... | 27·68 | 171 | 126 |
| | **3.—SEVERN. Left Bank Tributaries. 7 sq. mi.** | | | | | | | | |

§ Turf wall round gauge.

# DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **DENBIGH. (Area, 668 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—DEE. 278 sq. mi.** | | | | | | | | |
| | Glynceirog (Plas Nantyr) | C. B. C. Storey, Esq. | 5 | 1 0 | 1500 | 49·7 | 58·49 | ... | ... |
| d | Chirk Castle Gardens | Mr. T. Jones | 5 | 1 0 | 630 | ... | 41·68 | ... | ... |
| D | Llangollen (Vivod) | Capt. W. Best | 5 | 1 0 | 640 | ... | 44·46 | 196 | 160 |
| D | Ruabon (Trevor Hall) | E. Lloyd Edwards, Esq. | 5 | 1 2 | 500 | 30·9 | 39·59 | 196 | 150 |
| M | Wrexham W.W. (Mountain Lodge) | Engineer | 8 | 0 9 | 1100 | ... | 41·73 | ... | ... |
| d | Wrexham W.W. (Ty Mawr Res.) | Engineer | 5 | 0 9 | 805 | *39·1* | 35·11 | 213 | 145 |
| D | Wrexham W.W. (Pack Saddle Res.) | Engineer | 5 | 0 9 | 370 | 32·0 | 38·13 | 208 | 150 |
| d | Wrexham W.W. (Cae Llwyd Res.) | Engineer | 5 | 0 9 | 918 | *40·5* | 44·11 | 217 | 152 |
| | §Wrexham W.W. (Erwan) | Engineer | 5 | 1 0 | 1160 | ... | 48·53 | ... | ... |
| | §Wrexham W.W. (Abersychnant) | Engineer | 5 | 1 0 | 1370 | ... | 46·49 | ... | ... |
| M | Wrexham W.W. (Minera) | Engineer | 5 | 0 9 | 1400 | ... | 40·83 | ... | ... |
| D | Wrexham (Salisbury Park) | S. E. Ashmore, Esq. | 5 | 1 0 | 283 | ... | 32·55 | 202 | 141 |
| D | WREXHAM (Grove Pk. C'nty Sch.)(+A) | S. E. Ashmore, Esq. | 5 | 1 0 | 273 | ... | 31·67 | 190 | 138 |
| D | Pendinas Reservoir | Brymbo Water Co. | 5 | 0 6 | 1249 | ... | 49·91 | 213 | 191 |
| D | Nantyffrith Reservoir | Brymbo Water Co. | 5 | 0 6 | 1040 | ... | 47·10 | 210 | 183 |
| D | Llanfihangel-glyn-myfyr | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 898 | 43·7 | 48·33 | 243 | 181 |
| D | R. Alwen (Alwen Filter House) | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 1100 | 46·4 | 54·16 | 254 | 193 |
| D | R. Alwen (Alwen Dam) | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 1189 | ... | 57·45 | 254 | 203 |
| D | R. Alwen (Hafod-y-llan-isaf) | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 1180 | ... | 55·79 | 254 | 203 |
| W | Pentre Voelas (Nant Heilyn) | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 1225 | 49·2 | 59·18 | ... | ... |
| M | Nantglyn (Pant-y-maen) | E. G. Hutson, Esq., C.E. | 8 | 1 0 | 1320 | 50·3 | 62·99 | ... | ... |
| M | Llyn Bran | E. G. Hutson, Esq., C.E. | 8 | 1 0 | 1428 | 52·1 | 62·07 | ... | ... |
| | **2.—CLWYD & C. 267 sq. mi.** | | | | | | | | |
| D | Clawdd-newydd No. 2 | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 983 | 37·5 | 41·97 | 204 | 171 |
| | Clawdd-newydd (Foel Fach) | Forestry Commission | 5 | 0 10 | 1150 | ... | 36·48 | ... | ... |
| W | Ruthin (Corwen Road) | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 234 | ... | 33·96 | ... | ... |
| | Llyn Aled | O. P. Cronshaw, Esq. | 5 | 1 6 | 1200 | ... | 57·91 | ... | ... |
| D | Ruthin (Bwlch Tunnel) | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 908 | ... | 36·69 | 202 | 173 |
| | Llyn Aled (Moel-y-Bryniau) | O. P. Cronshaw, Esq. | 5 | 1 4 | 1250 | ... | 56·22 | ... | ... |
| D | Llangynhafal (Plâs Drâw) | Major R. Bromhead | 5 | 1 0 | 419 | 31·1 | 34·59 | 211 | 161 |
| D | Denbigh (Mental Hospital) | Clerk & Steward | 5 | 1 0 | 316 | ... | 35·97 | 187 | 149 |
| | Llangerniew | Capt. L. Mackeson-Sandbach | 5 | 1 0 | 488 | ... | 45·43 | ... | ... |
| M | Llanefydd (Dolwen Res. S.) | O. P. Cronshaw, Esq. | 5 | 1 0 | 600 | ... | 37·25 | ... | ... |
| M | Llanefydd (East) | O. P. Cronshaw, Esq. | 5 | 1 0 | 570 | ... | 37·34 | ... | ... |
| | St. Asaph (Wigfair) | Col. H. C. Ll. Howard, C.M.G., D.S.O. | 5 | 0 5 | 250 | ... | 30·92 | ... | ... |
| d | Abergele (County School) | Headmaster | 5 | 1 0 | 50 | ... | 30·69 | 184 | 146 |
| D | Abergele (Sea Road) | Sydney Wilson, Esq. | 5 | 1 0 | 35 | 28·4 | 31·03 | 194 | 146 |
| D | COLWYN BAY (Eirias Park) | Borough Surveyor | 5 | 1 0 | 118 | ... | 34·34 | 198 | 145 |
| | **3.—CONWAY. 4 sq. mi.** | | | | | | | | |
| D | Pentre Voelas (Voelas Hall) | Col. F. C. Wynne Finch | 5 | 1 6 | 640 | ... | 65·33 | 236 | 186 |
| D | Tal-y-Cafn (Bodnant) | Lord Aberconway | 5 | 0 10 | 150 | ... | 42·09 | 206 | 163 |
| | **4.—SEVERN. Left Bank Tributaries. 47 sq. mi.** | | | | | | | | |
| D | Llansilin (Penygwely Res.) | J. E. Taylor, Esq., C.E. | 5 | 1 0 | 1115 | ... | 48·55 | 210 | 170 |

§ Turf wall round gauge.

## DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **MERIONETH. (Area, 661 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—DEE. 218 sq. mi.** | | | | | | | | |
| D | Llanuwchllyn (Plas-deon) | A. E. Morris, Esq.* | 5 | 1 0 | 555 | ... | 75·61 | 222 | 202 |
| M | Cwm Hirnant (Maesafallen) | E. O. Roberts, Esq.* | 5 | 1 4 | 957 | ... | (80·80) | ... | ... |
| M | §Afon Lliw (Blaen Lliw Isaf) | J. Pugh, Esq.* | 5 | 1 6 | 1790 | ... | 103·50 | ... | ... |
| d | Bala (Central School) | H. Lewis, Esq. | 5 | 1 0 | 530 | ... | 60·97 | ... | ... |
| D | Bala (Tegid Street) | (+A) D. R. Roberts, Esq. | 5 | 1 3 | 537 | 46·9 | 59·13 | 224 | 184 |
| D | Llandderfel (Palé Gardens) | Sir H. B. Robertson | 8 | 1 0 | 606 | 48·2 | 58·54 | 213 | 181 |
| M | §Trawsfynydd (Cwm Prysor) | N. Wales Power Co. | 5 | 1 3 | 1300 | ... | 83·80 | ... | ... |
| M | §Llyn Arenig Fach | J. Jones, Esq.* | 5 | 1 5 | 1511 | ... | 99·90 | ... | ... |
| d | Bala (Craig Nant) | J. Jones, Esq.* | 5 | 1 0 | 1030 | ... | 84·04 | 211 | 196 |
| D | Corwen (Bryntirion) | Admiral Stapleton-Cotton | 5 | 0 6 | 550 | ... | 42·28 | 208 | 175 |
| d | Afon Mynach (Hafod Nwydog) | N. D. Tee, Esq.* | 5 | 1 0 | 1198 | ... | 82·85 | 194 | 181 |
| d | Corwen (Rûg Gardens) | Col. R. Vaughan Wynn | 8 | 1 3 | 600 | 36·2 | 43·84 | 226 | 164 |
| W | Derwen (Minffordd) | E. G. Hutson, Esq., C.E. | 5 | 1 0 | 971 | ... | 41·94 | ... | ... |
| | **2.—CLWYD. 7 sq. mi.** | | | | | | | | |
| | **3.—GLASLYN. 92 sq. mi.** | | | | | | | | |
| d | Harlech (Royal St. Davids Golf Club) | Secretary | 5 | 1 0 | 3 | ... | 42·30 | ... | 128 |
| M | Trawsfynydd (Cefn Gell-y-Cwm) | N. Wales Power Co., Ltd. | 5 | 1 0 | 665 | ... | 79·46 | ... | ... |
| M | Trawsfynydd (Tyn Twll) | N. Wales Power Co., Ltd. | 5 | 1 3 | 750 | ... | 81·10 | ... | ... |
| M | Trawsfynydd (Darn Gae) | N. Wales Power Co., Ltd. | 5 | 1 0 | 950 | ... | 80·25 | ... | ... |
| D | Minffordd (Plas Penrhyn) | Mrs. H. W. Kitching | 5 | 1 0 | 220 | ... | 50·02 | 189 | 166 |
| d | Pandyrddrwyryd (Main Dam) | N. Wales Power Co., Ltd. | 5 | 1 3 | 650 | ... | 75·76 | 236 | 193 |
| W | Tyddyn-y-Careg (Hendre Mur) | N. Wales Power Co., Ltd. | 5 | 1 3 | 660 | ... | 73·57 | ... | ... |
| d | Blaenau Festiniog (Oakeley Q.) | J. Lloyd Humphreys, Esq. | 5 | 1 0 | 1100 | 106·5 | 130·61 | ... | 195 |
| D | Blaenau Festiniog (Llechwedd Q.) | Messrs. J. W. Greaves & Son | 5 | 1 0 | 700 | ... | 120·03 | 234 | 209 |
| | **4.—MAWDDACH & C. 262 sq. mi.** | | | | | | | | |
| D | Towyn (Ynys-y-Maengwyn) | R. Corbett, Esq. | 5 | 1 0 | 14 | ... | 48·34 | 193 | 166 |
| D | Towyn (Bronffynnon) | Dr. T. Henry Jones | 5 | 1 0 | 180 | ... | 47·99 | 210 | 167 |
| | Dolgelley (Bronygader) | Lt.-Col. A. E. Jelf-Reveley | 5 | 1 0 | 200 | ... | 82·98 | ... | ... |
| D | Dolgelley (Borthwnog) | Col. C. W. H. Crichton | 5 | 1 0 | 5 | ... | 57·44 | 225 | 179 |
| d | Llanbedr (Llwyn) | A. Towers, Esq. | 5 | 1 6 | 50 | ... | 47·82 | ... | 139 |
| | **5.—DOVEY. 82 sq. mi.** | | | | | | | | |
| D | Aberdovey (Plas Penhelig) | J. M. Howell, Esq., D.L. | 5 | 1 0 | 150 | ... | 46·63 | 218 | 168 |
| D | Pennal (Llwyn-Celyn) | Lt.-Col. M. V. le P. Trench | 5 | 1 0 | 30 | ... | 59·23 | 218 | 189 |
| D | Pennal (Talgarth Hall) | Owen D. Jones, Esq. | 5 | 0 9 | 125 | ... | 63·09 | 242 | 187 |
| W | Corris (Pantperthog) | Forestry Commission | 5 | 0 11 | 200 | ... | 84·07 | ... | ... |
| W | Aberangell (Gwynynd) | J. Norman Jones, Esq. | 5 | 0 10 | 450 | ... | 83·61 | ... | ... |
| | **6.—SEVERN. Left Bank Tributaries.** | | | | | | | | |
| | **CARNARVON. (Area, 572 sq. mi.)** | | | | | | | | |
| | **1.—BARDSEY ISLAND.** | | | | | | | | |
| | **2.—CONWAY & C. 146 sq. mi.** | | | | | | | | |
| d | Dolwyddelan (Bwlch Bach) | R. M. Argles, Esq. | 5 | 0 9 | 700 | ... | 79·37 | ... | ... |
| D | Capel Curig (Glyn Curig) | W. G. Parrott, Esq. | 5 | 2 1 | 710 | ... | 102·27 | 250 | 206 |

§ Turf wall round gauge. * *Per* River Dee Catchment Board.

## DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | CARNARVON—(*contd.*). | | *in.* | *ft.* | *in.* | *t.* | *in.* | | |
| | 2.—CONWAY & C.—(*contd.*). | | | | | | | | |
| | Lake Cowlyd (Capel Curig) | N. Wales Power Co., Ltd. | 5 | 1 | 6 | 1400 | ... | 103·17 | ... | ... |
| | Lake Llwgwy | N. Wales Power Co., Ltd. | 5 | 1 | 0 | 1820 | ... | 109·46 | ... | ... |
| | L. Cowlyd (Ffrith Garreg Wen) A. | Conway & Colwyn Bay W.Bd. | 5 | 1 | 0 | 1168 | ... | 106·58 | ... | ... |
| | Lake Cowlyd (Cowlyd) | N. Wales Power Co., Ltd. | 5 | 1 | 0 | 1400 | ... | 102·66 | ... | ... |
| | Llanbedr-y-Cennin (Melynllyn) | J. A. Edwards, Esq., C.E. | 5 | 1 | 0 | 2065 | ... | 129·40 | ... | ... |
| | Llanbedr-y-Cennin (Llyndulyn) | J. A. Edwards, Esq., C.E. | 8 | 1 | 6 | 1632 | 102·7 | 109·06 | ... | ... |
| | Llanbedr-y-Cennin (Plasdulyn) | J. A. Edwards, Esq., C.E. | 8 | 1 | 0 | 509 | ... | 64·55 | ... | ... |
| D | Tyn-y-Groes (Roe Wen) | Albert Wilson, Esq. | 5 | 1 | 0 | 140 | ... | 48·55 | 214 | 172 |
| d | Conway (Mussel Tanks) | Min. of Agric. & Fisheries | 5 | 1 | 0 | 50 | ... | 30·45 | 190 | 148 |
| | Deganwy (Y Berlfa) | Dr. Willoughby Gardner | 5 | 1 | 0 | 35 | 31·2 | 34·05 | ... | ... |
| D | LLANDUDNO (Cricket Ground) | Medical Officer of Health | 5 | 1 | 1 | 13 | 28·1 | 31·53 | 190 | 136 |
| | 3.—MENAI STRAITS. 221 sq. mi. | | | | | | | | | |
| | Edeyrn Tydweiliog (Cefnamwlch) | Head Gardener | 5 | 1 | 0 | 300 | ... | 46·08 | 202 | 148 |
| d | Madryn Castle (Farm School) | The Principal | 8 | 1 | 6 | 278 | 39·0 | 50·34 | 191 | 155 |
| M | Nantlle (Dorothea Quarry) | Dorothea Slate Quarry Co. | 5 | 2 | 0 | 300 | ... | 74·70 | ... | ... |
| | Llandwrog (Glynllivon Park) | Rt. Hon. Lord Newborough | 5 | 1 | 0 | 100 | 44·7 | 51·66 | ... | ... |
| | Llandwrog (Glynllivon Nursery) | Rt. Hon. Lord Newborough | 5 | 1 | 0 | 90 | ... | 51·35 | ... | ... |
| D | Llandwrog (Glynllivon Garden) | Rt. Hon. Lord Newborough | 5 | 1 | 0 | 100 | ... | 52·31 | 195 | 173 |
| D | Llanbeblig (Cefn Rhos) | Miss M. F. Preece | 8 | 1 | 0 | ... | ... | 50·36 | 222 | 180 |
| d | Bethesda (Penrhyn Quarries) | General Manager | 8 | 1 | 0 | 527 | *65·8* | 60·07 | ... | 153 |
| D | Port Dinorwic (Vaynol) | Sir Michael Assheton-Smith | 5 | 0 | 8 | 100 | ... | 45·63 | 195 | 162 |
| D | Bangor (Town Hall) | City Engineer | 8 | 1 | 6 | 50 | ... | 44·67 | 207 | 169 |
| D | Bangor (Penrhyn Castle Gdns.) | Head Gardener | 5 | 1 | 0 | 150 | ... | 45·91 | 230 | 179 |
| D | ABER (University Coll. Farm) | Prof. R. G. White | 5 | 1 | 0 | 60 | ... | 44·35 | 214 | 165 |
| D | Llanfairfechan (School House) | Surveyor U.D.C. | 5 | 1 | 0 | 120 | 37·9 | 45·29 | 198 | 159 |
| D | Penmaenmawr (Plas Uchaf) | R. W. Barnes, Esq. | 5 | 1 | 2 | 470 | ... | 48·30 | 219 | 176 |
| | 4.—ERCH & C. 155 sq. mi. | | | | | | | | | |
| d | Abersoch (Groeslon) | Mrs. E. H. Hooton | 8 | 1 | 0 | 200 | ... | 41·37 | ... | ... |
| D | Pwllheli (West End) | B. V. Howell, Esq. | 8 | 1 | 3 | 9 | ... | 46·26 | 188 | 151 |
| D | Criccieth (Bron Eifion) | J. E. Greaves, Esq. | 5 | 1 | 0 | 100 | ... | 47·77 | 192 | 158 |
| | 5.—GLASLYN. 50 sq. mi. | | | | | | | | | |
| D | Portmadoc (Wern) | Col. M. I. Williams-Ellis | 5 | 1 | 0 | 20 | ... | 57·75 | 209 | 177 |
| D | Beddgelert (Co. School) | Headmaster | 5 | 1 | 2 | 133 | ... | 111·74 | 229 | 200 |
| | Beddgelert (Hafod Ruffydd) | J. E. Evans, Esq. | 5 | 1 | 0 | 490 | ... | 96·62 | ... | ... |
| W | Hafodtanygraig | Arnold White, Esq. | 5 | 1 | 6 | 280 | ... | 119·00 | ... | ... |
| D | Snowdon (Cwm Dyli) No. 11 | N. Wales Power Co., Ltd. | 5 | 1 | 0 | 310 | *117·9* | 152·63 | 240 | 223 |
| D | Snowdon (Cwm Dyli, Old Rd.) 14(+A) | N. Wales Power Co., Ltd. | 5 | 0 | 10 | 325 | ... | 145·45 | 239 | 218 |
| M | Snowdon (Delta) No. 7 | N. Wales Power Co., Ltd. | 5 | 1 | 0 | 1485 | ... | 197·80 | ... | ... |
| M | Snowdon (Glaslyn) No. 3 | N. Wales Power Co., Ltd. | 5 | 0 | 8 | 2050 | ... | 187·92 | ... | ... |
| M | Snowdon (Teryn) No. 1 | N. Wales Power Co., Ltd. | 5 | 1 | 0 | 1080 | ... | 191·14 | ... | ... |
| d | Snowdon (Llydaw Intake) No. 10 | N. Wales Power Co., Ltd. | 5 | 1 | 0 | 1480 | ... | 182·96 | 247 | 232 |
| W | Snowdon (L. Llydaw Copper M.) 9 | N. Wales Power Co., Ltd. | 5 | 1 | 5 | 1480 | ... | 186·91 | ... | ... |
| M | Snowdon (Grib Goch No. 8) | N. Wales Power Co., Ltd. | 5 | 1 | 3 | 2340 | ... | 206·56 | ... | ... |

## DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ANGLESEY. (Area, 275 sq. mi.)** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| D | Bryn-siencyn (Trefarthen) | Miss E. Meyrick | 5 | 1 | 30 | ... | 38·54 | 185 | 150 |
| | Llangadwaladr (Bodorgan) | Sir George Meyrick, Bt. | 5 | 1 | 100 | 37·5 | 42·11 | 192 | 150 |
| | Plas Cadnant | Mrs. T. Fanning Evans | 5 | 1 | 156 | ... | 42·08 | 182 | 145 |
| d | Llangefni (Glanaber) | M. Spencer Rogers, Esq. | 8 | 1 | 70 | ... | 45·20 | ... | 165 |
| d | Llansadwrn (Treffos) | C. Panton Vivian, Esq. | 5 | ... | 318 | ... | 46·20 | ... | 152 |
| D | Llansadwrn (Gadlys Cottage) | A. Morgan, Esq., M.A. | 5 | 1 | 336 | ... | 47·44 | 247 | 152 |
| d | Llangwyllog (Trescawen) | G. H. Pritchard-Rayner, Esq. | 5 | 1 | 239 | 42·2 | 46·14 | 180 | 155 |
| D | HOLYHEAD (VALLEY) | Meteorological Office | 8 | 1 | 26 | ... | 36·83 | 199 | 151 |
| D | HOLYHEAD (Salt Island) | Meteorological Office | 5 | 1 | 26 | 34·9 | 37·02 | 197 | 144 |
| D | Llanerchymedd (Llwydiarth Esgob) | E. Thomas, Esq. | 5 | 1 | 175 | 38·1 | 44·27 | 211 | 178 |
| D | Marian Glas (Old Parcian) | M. R. Macnab, Esq. | ... | ... | ... | ... | 48·92 | 201 | 165 |
| | Amlwch (Dyffryn Adda) | Mrs. Fanning Evans | 5 | 1 | 178 | 36·3 | 41·34 | 190 | 158 |
| | **ISLE OF MAN. (Area, 227 sq. mi.)** | | | | | | | | |
| D | DOUGLAS (Borough Cemetery) | Borough Surveyor | 5 | 1 | 284 | 41·2 | 45·18 | 197 | 152 |
| D | Douglas (Clypse Reservoir) | T. C. Greenfield, Esq., C.E. | 8 | 1 | 440 | 43·9 | 49·10 | 225 | 159 |
| D | West Baldwin Reservoir | T. C. Greenfield, Esq., C.E. | 5 | 1 | 475 | *55·7* | 61·77 | 202 | 173 |
| M | §Sulby Glen (Block Eary) | Northern Water Bd. | 5 | 1 | 620 | ... | 68·22 | ... | ... |
| | Maughold Head | Com'rs. of N. Lighthouses | 5 | 0 | 230 | ... | 34·43 | ... | 129 |
| D | Sulby Filter House | Northern Water Bd. | 5 | 2 | 106 | ... | 48·21 | 193 | 154 |
| D | POINT OF AYRE | Lightkeeper (M.O.) | 8 | 1 | 30 | ... | 32·74 | 181 | 142 |
| | **CHANNEL ISLANDS. (Area, 76 sq. mi.)** | | | | | | | | |
| | **JERSEY. 45 sq. mi.** | | | | | | | | |
| D | La Rocque (Sandhurst) | H. C. Bisson, Esq.* | 5 | 1 | 10 | ... | 21·43 | 168 | 120 |
| D | St. Saviour's (Petit Menage) | Capt. G. J. Robin* | 5 | 0 | 30 | ... | 31·49 | 197 | 149 |
| D | St. Heliers (St. Louis Obs.) | Rev. Father C. Rey, S.J. | 8 | 1 | 180 | *30·4* | 31·41 | 187 | 140 |
| D | St. Brelade (La Sergenté) | W. Benest, Esq.* | 5 | 1 | 194 | ... | 34·34 | 201 | 156 |
| D | St. Lawrence (Beaumont Marsh) | F. A. Laxen, Esq.* | 5 | 1 | 60 | ... | 34·32 | 172 | 140 |
| D | Millbrook (St. Helier W.W.) | R. Burrow, Esq. | 5 | 1 | 53 | ... | 32·23 | 174 | 139 |
| D | Handois Reservoir | R. Burrow, Esq. | 5 | 1 | 272 | ... | 37·54 | 198 | 155 |
| D | Trinity (States Exptl. Farm) | States of Jersey* | 5 | 0 | 340 | ... | 36·64 | 195 | 157 |
| D | St. Ouen (Vinchelez) | F. le Maistre, Esq.* | 5 | 0 | 260 | ... | 34·61 | 199 | 141 |
| | **GUERNSEY. 25 sq. mi.** | | | | | | | | |
| D | Les Quartiers | A. Higgs, Esq. | 5 | 1 | 50 | ... | 33·43 | 182 | 140 |

* *Per* R. Burrow, Esq. § Turf wall round gauge.

# Scotland

## DIVISION XII—SOUTHERN COUNTIES

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WIGTOWN. (Area, 488 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—LOCH RYAN. 46 sq. mi.** | | | | | | | | |
| D | Castle Kennedy (Lochinch) ... | ... Earl of Stair ... ... | 8 | 1 0 | 85 | ... | 44·90 | 209 | 179 |
| | **2.—WESTERN GALLOWAY. 44 sq. mi.** | | | | | | | | |
| M | | | | | | | | | |
| D | Logan House ... ... ... | ... Mr. R. McGuffog ... ... | 8 | 1 3 | 80 | 37·3 | 40·58 | 231 | 170 |
| | Corsewall ... ... ... | ... Com'rs. of N. Lighthouses | 5 | 1 6 | 48 | ... | 36·58 | 187 | 146 |
| | **3.—LUCE BAY. 186 sq. mi.** | | | | | | | | |
| D | Port William (Monreith) ... | ... W. J. Milne, Esq. ... ... | 5 | 1 0 | 145 | 38·5 | 41·73 | 202 | 161 |
| D | Stoneykirk (WEST FREUGH) ... | ... Meteorological Office ... | 5 | 1 0 | 52 | ... | 39·34 | 199 | 158 |
| W | Glenluce (Dunragit) ... ... | ... Dept. of Agriculture ... | 5 | 1 0 | 341 | ... | 40·92 | ... | ... |
| | **4.—CREE & WIGTOWN BAY. 212 sq. mi.** | | | | | | | | |
| D | Garlieston (Galloway Ho.) ... | ... P. H. Fletcher, Esq. ... | 5 | 0 11 | 30 | 39·1 | 43·64 | 187 | 162 |
| D | Garlieston (Culderry) ... ... | ... Capt. A. Walmsley ... | 5 | 1 0 | 25 | ... | 43·63 | 204 | 170 |
| D | Kirkcowan (Craighlaw) ... | ... Mr. A. Davis ... ... | 5 | 1 0 | 300 | 48·3 | 53·87 | 221 | 195 |
| D | Newton Stewart (Little Barraer) | ... H. P. Hawthorne, Esq. ... | 5 | 1 0 | 180 | 44·8 | 47·01 | 212 | 166 |
| D | Newton Stewart (Duncree) ... | ... Maj.-Gen. Sir Keith Stewart, K.C.B. ... ... ... | 5 | 1 0 | 125 | ... | 45·54 | 210 | 176 |
| | **KIRKCUDBRIGHT. (Area, 902 sq. mi.)** | | | | | | | | |
| | **1.—DOON. 16 sq. mi.** | | | | | | | | |
| | Rig of Millmore ... ... | ... Galloway Water Power Co. | 5 | 1 0 | 1450 | ... | 85·03 | ... | ... |
| | **2.—CREE & WIGTOWN BAY. 222 sq. mi.** | | | | | | | | |
| D | Borgue (Corseyard) ... ... | ... J. Douglas Brown, Esq. ... | 5 | 1 0 | 20 | 39·8 | 39·36 | 197 | 171 |
| W | Kirroughtree Forest ... ... | ... J. McK. Graham, Esq. ... | 5 | 1 3 | 350 | ... | 49·34 | ... | ... |
| | **3.—DEE. 377 sq. mi.** | | | | | | | | |
| D | TONGLAND Power Station ... | ... Galloway Water Power Co. | 5 | 1 0 | 69 | ... | 50·59 | 188 | 175 |
| D | Threave ... ... ... ... | ... Major A. F. Gordon ... | 5 | 1 0 | 275 | ... | 52·28 | 196 | 168 |
| D | Mossdale (Hensol) ... ... | ... Marchioness of Ailsa ... | 8 | 1 0 | 200 | 51·7 | 52·64 | 209 | 181 |
| D | Laggan of Dee ... ... ... | ... Galloway Water Power Co. | 5 | 1 0 | 550 | ... | 68·81 | 207 | 186 |
| D | Clatteringshaws (Tunnel Intake) | ... Galloway Water Power Co. | 5 | 1 0 | 600 | 70·5 | 68·03 | 221 | 191 |
| D | New Galloway( Wellwood) ... | ... W. McClure, Esq. ... ... | 5 | 1 0 | 232 | ... | 56·20 | 219 | 177 |
| d | Craigencallie ... ... ... | ... Galloway Water Power Co. | 5 | 1 0 | 740 | 80·1 | 80·39 | 211 | 193 |
| | Loch Dee ... ... ... | ... Galloway Water Power Co. | 5 | 1 0 | 800 | 81·5 | 87·15 | ... | ... |
| D | Dalry (GLENLEE) ... ... | ... Galloway Water Power Co. | 5 | 1 0 | 181 | ... | 58·67 | 216 | 182 |
| D | Dalry (Garroch) ... ... | ... Arthur Young, Esq. ... | 8 | 1 0 | 250 | 59·7 | 62·76 | 210 | 185 |
| D | Dalry (Glendarroch) ... ... | ... Miss M. Barbour ... ... | 5 | 2 0 | 190 | 54·5 | 51·56 | 218 | 184 |
| D | Dalry (Forrest Lodge) ... ... | ... Sir John Wood, Bart. ... | 5 | 1 0 | 500 | 63·2 | 72·39 | 256 | 206 |
| D | Carsphairn (Fingland) ... ... | ... Galloway Water Power Co. | 5 | 1 0 | 940 | 51·1 | 52·88 | 231 | 190 |
| D | Carsphairn (The Knowe) ... | ... J. A. Hunter, Esq. ... ... | 8 | 2 0 | 550 | ... | 57·60 | 218 | 184 |
| D | Carsphairn (Cornharrow) ... | ... Galloway Water Power Co. | 5 | 1 0 | 810 | 53·6 | 57·63 | 210 | 191 |
| d | Carsphairn (Moorbrock) ... | ... Galloway Water Power Co. | 5 | 0 9 | 1000 | 64·0 | 67·23 | ... | ... |
| D | Carsphairn (Knockengarroch) | ... Galloway Water Power Co. | 5 | 1 0 | 740 | 58·2 | 51·65? | 219 | 187 |
| D | Carsphairn (Lorg) ... ... | ... Galloway Water Power Co. | 5 | 1 0 | 960 | 76·5 | 78·41 | 211 | 207 |
| d | Carsphairn Moor ... ... | ... Galloway Water Power Co. | 5 | 1 0 | 790 | 65·6 | 62·40 | 222 | 191 |

## DIVISION XII—SOUTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·01 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **KIRKCUDBRIGHT—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **4.—URR & C. 196 sq. mi.** | | | | | | | | |
| D | Auchencairn (Craigshall) | Miss J. Sutherland | 5 | 1 0 | 12 | ... | 50·11 | 208 | 165 |
| | Auchencairn (Torr House) | Thomas Ovens, Esq. | 5 | 1 0 | 50 | 47·1 | 50·32 | ... | ... |
| D | Castle Douglas (Corbieton) | Miss A. G. Biggar | 5 | 0 9 | 175 | ... | 48·59 | 196 | 162 |
| D | Chipperkyle | Lt.-Col. J. A. Pollok Morris | 5 | 1 6 | 310 | ... | 48·56 | 180 | 159 |
| | **5.—NITH & C. 91 sq. mi.** | | | | | | | | |
| D | Lochrutton (Dumfries W.W.) | J. Smellie, Esq. | 5 | 1 0 | 273 | 44·0 | 49·23 | 208 | 171 |
| D | Carruchan | Mrs. Clark-Maxwell | 5 | 1 0 | 73 | ... | 46·59 | 192 | 168 |
| D | Glenkiln Reservoir | J. Smellie, Esq. | 5 | 1 0 | 450 | ... | 55·80 | 187 | 169 |
| | **DUMFRIES. (Area, 1,074 sq. mi.)** | | | | | | | | |
| | **1.—CLYDE. Right Bank Tributaries. 5 sq. mi.** | | | | | | | | |
| | **2.—URR. 6 sq. mi.** | | | | | | | | |
| | **3.—NITH & C. 421 sq. mi.** | | | | | | | | |
| D | RUTHWELL (Comlongon Cas.) | Rt. Hon. the Earl of Mansfield | 5 | 1 0 | 67 | 35·5 | 38·33 | 190 | 150 |
| D | §DUMFRIES (Crichton Roy. Inst.) | Physician Superintendent | 5 | 1 0 | 140 | 39·1 | 43·41 | 198 | 164 |
| D | Blackwood | T. H. Kennedy, Esq. | 5 | 1 6 | 100 | 41·1 | 45·05 | 226 | 181 |
| D | Maxwelton House | Maj.-Gen. J. E. Laurie, Bart. | 5 | 1 0 | 350 | ... | 44·16 | 214 | 167 |
| D | Durrisdeer (Drumlanrig) | W. E. Bourne, Esq. | 5 | 0 9 | 191 | 43·6 | 51·20 | 239 | 175 |
| | **4.—ANNAN. 367 sq. mi.** | | | | | | | | |
| D | Dalton (Kirkwood) | Captain J. Steel | 5 | 1 8 | 260 | ... | 45·34 | 198 | 174 |
| d | Moffat (Auchen Castle) | Sir W. R. Younger, Bt. | 5 | 1 0 | 480 | ... | 56·62 | ... | 159 |
| | **5.—ESK. 275 sq. mi.** | | | | | | | | |
| D | Eaglesfield (Springkell Gdns.) | Col. Sir E. A. Johnson-Ferguson, Bt. | 5 | 1 0 | 303 | 41·3 | 47·18 | 215 | 177 |
| D | Canonbie (Irvine House) | Sir J. H. Milne Home | 5 | 0 9 | 200 | 46·5 | 53·01 | 221 | 180 |
| | Langholm (Arkleton) | Mr. J. B. Robertson | 5 | 1 0 | 445 | 51·8 | 58·01 | ... | ... |
| D | Eskdalemuir (Sandyford) | County Engineer | 5 | 1 0 | 728 | ... | 52·99 | 229 | 188 |
| M | §Eskdalemuir (Fauldbrae) | County Engineer | 5 | 1 0 | 930 | ... | 53·52 | ... | ... |
| M | §Eskdalemuir (Cairn Knowe) | County Engineer | 5 | 1 0 | 1107 | ... | 66·16 | ... | ... |
| M | Eskdalemuir (Blackeskhead) | County Engineer | 5 | 1 0 | 797 | ... | 58·95 | ... | ... |
| M | §Eskdalemuir (Peat Rig) | County Engineer | 5 | 1 0 | 1251 | ... | 73·66 | ... | ... |
| M | Eskdalemuir (Garwaldshiels) | County Engineer | 5 | 1 0 | 941 | ... | 66·61 | ... | ... |
| M | §Eskdalemuir (Monkingshaw Knowe) | County Engineer | 5 | 1 0 | 1054 | ... | 71·80 | ... | ... |
| M | §Eskdalemuir (Jock's Shoulder) | County Engineer | 5 | 1 0 | 1757 | ... | 77·90 | ... | ... |
| D | Eskdalemuir (Kiddamhill) | County Engineer | 5 | 1 0 | 905 | ... | 69·35 | 223 | 196 |
| D | ESKDALEMUIR Observatory | (+A) Meteorological Office | 8 | 1 4 | 794 | 56·3 | 65·06 | 236 | 194 |
| M | Eskdalemuir (Cauld Law Grain) | County Engineer | 5 | 1 0 | 1302 | ... | 75·17 | ... | ... |
| M | §Eskdalemuir (Loch Fell) | County Engineer | 5 | 1 0 | 2228 | ... | 83·08 | ... | ... |
| M | Eskdalemuir (Pengrain) | County Engineer | 5 | 1 0 | 1118 | ... | 72·36 | ... | ... |

§ Turf wall round gauge.

## DIVISION XII—SOUTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with .01 in. or more | 1946 Days with .04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ROXBURGH. (Area, 666 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—NORTH TYNE. 6 sq. mi.** | | | | | | | | |
| | **2.—TWEED. LOWER. Right Bank Tributaries. 57 sq. mi.** | | | | | | | | |
| D | Yetholm (Old Graden)... ... ... | P. S. Short, Esq. ... ... | 5 | 1 0 | 500 | ... | 26·96 | 211 | 141 |
| | **3.—TWEED. Teviot & c. 431 sq. mi.** | | | | | | | | |
| D | Hawick (Westerdykes) ... ... | C. W. Grieve, Esq. ... | 5 | 1 1 | 320 | ... | 32·19 | 208 | 163 |
| D | Denholm (Spital Tower) ... ... | J. G. Leadbetter, Esq. ... | 5 | 0 6 | 425 | 32·7 | 28·26 | 227 | 148 |
| D | Crailing ... ... ... ... ... | Major J. A. Paton ... ... | 5 | 1 0 | 190 | 27·6 | 24·01 | 204 | 147 |
| D | Ancrum (Monteviot) ... ... ... | Capt. J. S. Aikman, M.C. ... | 5 | 1 0 | 210 | 29·8 | 25·88 | 163 | 133 |
| D | Linton (Clifton Park) ... ... | T. R. B. Elliot, Esq. ... | 5 | 1 0 | 250 | ... | 25·13 | 203 | 133 |
| D | Melrose (Bowden, Kippilaw) ... | Mr. W. A. Henderson ... | 5 | 1 1 | 500 | ... | 25·98 | 187 | 125 |
| D | St. Boswells (Hawthornden) ... | Miss B. Danford ... ... | 5 | 1 0 | 300 | ... | 26·25 | 207 | 137 |
| D | St. Boswells (Monksford) ... | A. M. Mitchell, Esq. ... | 5 | 0 11 | 320 | 26·9 | 25·80 | 178 | 128 |
| | **4.—TWEED. Ettrick & c. 10 sq. mi.** | | | | | | | | |
| D | Melrose (Asylum) *gauge* B ... | T. C. Mitchell, Esq. ... | 5 | 1 0 | 480 | 30·8 | 25·80 | 202 | 136 |
| | **5.—TWEED. Gala. 6 sq. mi.** | | | | | | | | |
| | **6.—TWEED. Leader & c. 25 sq. mi.** | | | | | | | | |
| | **7.—TWEED. LOWER. Left Bank Tributaries. 25 sq. mi.** | | | | | | | | |
| D | KELSO (FLOORS) ... ... ... | Thos. Hall, Esq. ... ... | 5 | 1 0 | 195 | 26·0 | 23·84 | 187 | 134 |
| D | Kelso (Hendersyde Park) ... | The Rt. Hon. Countess Peel | 5 | 0 9 | 180 | ... | 24·81 | 198 | 132 |
| | **8.—ESK. 106 sq. mi.** | | | | | | | | |
| W | Newcastleton Forest ... ... ... | Forestry Commission ... | 5 | 1 0 | 800 | 48·5 | 56·01 | ... | ... |

## DIVISION XIII—SOUTH-EASTERN COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **SELKIRK. (Area, 268 sq. mi.)** | | | | | | | | |
| | **1.—TWEED. Teviot & c. 34 sq. mi.** | | | | | | | | |
| | **2.—TWEED. Ettrick & c. 192 sq. mi.** | | | | | | | | |
| D | Ettrick Manse ... ... ... ... | Rev. Dr. W. Addison ... | 5 | 1 2 | 787 | 55·6 | 56·00 | 220 | 183 |
| | Edin. W.W. (Megget Head) ... | Edinburgh Water Engineer | 8 | 1 6 | 1496 | 54·5 | 62·63 | ... | ... |
| | **3.—TWEED. UPPER. Right Bank Tributaries. 17 sq. mi.** | | | | | | | | |
| | **4.—TWEED. UPPER. Left Bank Tributaries. 19 sq. mi.** | | | | | | | | |
| D | Caddonfoot (Fairnilee) ... ... | Mr. A. Bruce ... ... | 5 | 1 0 | 450 | 32·5 | 30·48 | 212 | 146 |
| D | Galashiels (The Peel, Clovenfords) ... | Mr. Robert Orr ... ... | 5 | 1 0 | 450 | 35·5 | 33·62 | 190 | 142 |
| | Galashiels (Craig Head) ... ... | Water Engineer ... ... | 5 | 1 0 | 925 | ... | 32·00 | ... | ... |
| | **5.—TWEED. Gala. 6 sq. mi.** | | | | | | | | |

## DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **PEEBLES. (Area, 348 sq. mi.)** | | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **1.—TWEED. UPPER. Right Bank Tributaries. 127 sq. mi.** | | | | | | | | | |
| M | Edin W.W. (Ravenscraig) ... | | ... Edinburgh Water Engineer | 8 | 1 6 | 2258 | 81·1 | 84·60 | ... | ... |
| M | §Edin. W.W. (Ballaman Hill) ... | | ... Edinburgh Water Engineer | 5 | 1 6 | 1700 | ... | 70·20 | ... | ... |
| M | Edin. W.W. (Gameshope Loch) | 4 | Edinburgh Water Engineer | 8 | 1 6 | 1860 | 68·2 | 73·63 | ... | ... |
| M | §Edin W.W. (Loch Craig Head) | 2 | Edinburgh Water Engineer | 8 | 1 6 | 2627 | 73·1 | 84·22 | ... | ... |
| M | Edin. W.W. (Gameshope Farm) | 5 | Edinburgh Water Engineer | 8 | 1 6 | 1538 | 71·3 | 80·45 | ... | ... |
| M | Edin. W.W. (Fruid Farm) ... | | ... Edinburgh Water Engineer | 5 | 1 6 | 1020 | ... | 55·00 | ... | ... |
| M | §Edin. W.W. (Shiel Hope) ... | | ... Edinburgh Water Engineer | 5 | 1 6 | 1300 | ... | 58·80 | ... | ... |
| M | Edin. W.W. (Hawkshaw) ... | | ... Edinburgh Water Engineer | 5 | 1 6 | 1100 | ... | 50·80 | ... | ... |
| M | Edin. W.W. (Talla Linns Foot) | 6 | Edinburgh Water Engineer | 8 | 1 6 | 966 | 55·2 | 60·53 | ... | ... |
| M | §Edin. W.W. (The Rig) ... | | ... Edinburgh Water Engineer | 5 | 1 6 | 1150 | ... | 51·10 | ... | ... |
| M | §Edin. W.W. (Quarter Hill) ... | | ... Edinburgh Water Engineer | 8 | 1 0 | 1196 | 46·4 | 51·48 | ... | ... |
| D | Edin. W.W. (Victoria Lodge) | 8 | Edinburgh Water Engineer | 5 | 1 3 | 900 | 50·0 | 47·29 | 234 | 169 |
| | **2.—TWEED. UPPER. Left Bank Tributaries. 192 sq. mi.** | | | | | | | | | |
| D | Stobo Castle ... ... ... | | ... H. Hughes, Esq. ... ... | 5 | 1 0 | 594 | 34·9 | 34·87 | 216 | 160 |
| D | PEEBLES (Kingsmeadows) ... | | ... H. N. Mitchell, Esq. ... | 5 | 1 0 | 525 | ... | 29·00 | 194 | 139 |
| D | West Linton (Woodlea Cottage) | | ... Edinburgh Water Engineer | 5 | 0 11 | 801 | 35·7 | 31·91 | 217 | 156 |
| D | WEST LINTON (Cairnton) ... | | ... Dr. R. Graham Yooll ... | 5 | 1 0 | 820 | 38·6 | 33·91 | 204 | 154 |
| D | West Linton (Baddingsgill Res.) | | ... T. Aitken, Esq. ... ... | 8 | 1 0 | 1100 | 44·6 | 39·99 | 245 | 176 |
| | **3.—ESK. 23 sq. mi.** | | | | | | | | | |
| D | Eddlestone (Portmore Res.) ... | | ... Edinburgh Water Engineer | 5 | 0 6 | 1000 | 35·2 | 32·77 | 237 | 152 |
| d | Carlops (North Esk Res.) ... | | ... J. Gilmour, Esq. ... ... | 5 | 1 0 | 1150 | 39·5 | 38·57 | 206 | 153 |
| | **4.—CLYDE. Right Bank Tributaries. 6 sq. mi.** | | | | | | | | | |
| | **BERWICK. (Area, 457 sq. mi.)** | | | | | | | | | |
| | **1.—TWEED. Gala. 6 sq. mi.** | | | | | | | | | |
| | **2.—TWEED. Leader. 92 sq. mi.** | | | | | | | | | |
| d | Earlston (Cowdenknowes) ... | | ... T. A. Mole, Esq. ... ... | 5 | 1 3 | 300 | 28·8 | 25·42 | ... | 131 |
| | **3.—TWEED. LOWER. Left Bank Tributaries. 115 sq. mi.** | | | | | | | | | |
| D | Coldstream (Lochton) ... ... | | ... Mrs. Aitchison ... ... | 5 | 1 0 | 150 | 25·9 | 24·29 | 195 | 127 |
| D | Swinton House ... ... ... | (+A) | Rev. A. E. Swinton, M.A. | 5 | 1 0 | 200 | 26·4 | 25·94 | 202 | 133 |
| d | Paxton (Tweedhill) ... ... | | ... C. H. Brackenbury, Esq. ... | 5 | 1 0 | 50 | ... | 25·91 | 174 | 121 |
| | **4.—TWEED. Whiteadder. 164 sq. mi.** | | | | | | | | | |
| D | MARCHMONT House ... ... | | ... Capt. J. H. F. McEwen, M.P. | 5 | 1 0 | 498 | 32·2 | 26·75 | 205 | 142 |
| D | Duns (Oxendean) ... ... | | ... A. C. Fraser, Esq. ... ... | 8 | 0 9 | 600 | ... | 29·07 | 185 | 134 |
| D | Duns Castle ... ... ... | | ... Mrs. F. S. Hay ... ... | 5 | 1 0 | 500 | 30·8 | 28·27 | 197 | 131 |
| D | Duns (Manderston) ... ... | | ... Mr. P. Dalgleish ... ... | 5 | 2 6 | 353 | 30·7 | 29·07 | 201 | 132 |
| D | Longformacus (Whitchester) ... | | ... Mrs. Laudale ... ... | 5 | 1 0 | 838 | ... | 33·46 | 177 | 132 |
| | **5.—EAST COAST STREAMS. 80 sq. mi.** | | | | | | | | | |
| D | ST. ABB'S HEAD (Shore Sig. Stn.) | | ... Chief Officer (M.O.) ... | 8 | 1 0 | 270 | ... | 27·13 | 186 | 130 |
| d | Cockburnspath (Redheugh) ... | | ... T. S. Dykes, Esq. ... ... | 5 | 1 0 | 288 | ... | 30·98 | ... | ... |

§ Turf wall round gauge.

## DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **EAST LOTHIAN. (Area, 267 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—TWEED. Leader. 1 sq. mi.** | | | | | | | | |
| | **2.—TWEED. Whiteadder. 35 sq. mi.** | | | | | | | | |
| | **3.—EAST COAST STREAMS. 69 sq. mi.** | | | | | | | | |
| W | Garvald (Donolly Reservoir) ... | ... Adam Robson, Esq. ... | 5 | 1 0 | 570 | 32·8 | 27·24 | ... | ... |
| W | Garvald (Thorters Reservoir) ... | ... Adam Robson, Esq. ... | 5 | 1 0 | 725 | ... | 29·52 | ... | ... |
| D | DUNBAR (Public Park) ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 75 | ... | 22·88 | 179 | 132 |
| | **4.—TYNE & C. 114 sq. mi.** | | | | | | | | |
| D | Lammermuir H. (West Hopes) | ... Adam Robson, Esq. ... | 5 | 1 0 | 736 | 34·4 | 35·32 | 168 | 138 |
| W | Lammermuir H. (Stobshiel Res.) B | ... Adam Robson, Esq. ... | 5 | 1 0 | 950 | 33·0 | 31·18 | ... | ... |
| W | Lammermuir H. (Lammerloch Res.) | Adam Robson, Esq. ... | 5 | 1 0 | 900 | ... | 29·79 | ... | ... |
| | **5.—FIRTH OF FORTH. 48 sq. mi.** | | | | | | | | |
| D | East Fortune Sanatorium ... | ... The Clerk of Works ... | 5 | 1 4 | 101 | 23·5 | 25·26 | 177 | 122 |
| | Aberlady (Ards Place) ... | ... Late C. R. Hemingway, Esq. | 5 | 2 0 | 40 | ... | (23·76) | ... | ... |
| D | North Berwick Reservoir ... | ... A. Robertson, Esq., C.E. ... | 5 | 1 0 | 150 | 25·4 | 25·98 | 202 | 134 |
| D | NORTH BERWICK (Gas Works) | ... Town Council ... ... | 5 | 1 0 | 118 | 24·1 | 25·21 | 168 | 125 |
| | **6.—INSULAR.** | | | | | | | | |
| | Fidra Lighthouse ... ... | ... Com'rs. of N. Lighthouses | 5 | 2 0 | 40 | ... | 21·25 | ... | 131 |
| | **MIDLOTHIAN. (Area, 369 sq. mi.)** | | | | | | | | |
| | **1.—TWEED. Gala. 68 sq. mi.** | | | | | | | | |
| D | Stow (Cragdale) ... ... | ... A. H. Fairgrieve, Esq. ... | 5 | 0 6 | 642 | 33·0 | 34·41 | 215 | 143 |
| | **2.—TYNE. 28 sq. mi.** | | | | | | | | |
| D | Blackshiels (Faladam) ... ... | ... Dr. Leonard Dobbin ... | 5 | 1 0 | 600 | ... | 28·19 | 212 | 138 |
| D | Oxenfoord Castle Gardens ... | ... Mr. D. M. Welsh ... ... | 5 | 1 6 | 409 | 27·4 | 25·64 | 184 | 143 |
| | **3.—FIRTH OF FORTH. 3 sq. mi.** | | | | | | | | |
| | **4.—ESK. 116 sq. mi.** | | | | | | | | |
| M | Moorfoot Hills (Bowbate) *new g.* | ... Edinburgh Water Engineer | 5 | 1 0 | 1260 | ... | 42·20 | ... | ... |
| D | Moorfoot Hills (Gladhouse Res.) | ... Edinburgh Water Engineer | 5 | 0 6 | 915 | 35·3 | 30·87 | 220 | 152 |
| D | Moorfoot Hills (Rosebery) ... | ... Edinburgh Water Engineer | 5 | 0 6 | 750 | 32·1 | 29·09 | 201 | 141 |
| D | Moorfoot Hills (Edgelaw) ... | ... Edinburgh Water Engineer | 5 | 0 6 | 654 | 31·9 | 25·77 | 184 | 134 |
| D | PENICUIK ... ... ... | ... Dr. J. T. Baldwin ... ... | 5 | 1 0 | 620 | ... | 34·80 | 207 | 160 |
| D | Gorebridge ... ... ... | ... W. Esson, Esq. ... ... | 5 | 1 0 | 560 | 29·3 | 25·61 | 185 | 133 |
| M | Pentland Hills (Harehill) ... | ... Edinburgh Water Engineer | 5 | 1 2 | 1297 | ... | 36·32 | ... | ... |
| D | Pentland Hills (Martyrs Cross) | ... Edinburgh Water Engineer | 5 | 1 0 | 750 | 35·5 | 35·58 | 221 | 168 |
| D | Pentland Hills (Loganlea) ... | ... Edinburgh Water Engineer | 5 | 1 0 | 811 | 38·5 | 36·51 | 211 | 157 |
| D | Pentland Hills (Glencorse Fil.) | ... Edinburgh Water Engineer | 5 | 0 11 | 638 | 35·0 | 35·27 | 201 | 163 |
| D | Pentland Hills (Glen Cottage) | ... Edinburgh Water Engineer | 5 | 1 3 | 739 | 35·2 | 36·87 | 201 | 164 |
| D | Newbattle (Public School) ... | ... C. D. Walinck, Esq., M.A. | 5 | 1 0 | 300 | 25·7 | 25·05 | 176 | 133 |

## DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **MIDLOTHIAN—(*contd.*).** | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **5.—ALMOND & C. 153 sq. mi.** | | | | | | | | |
| D | Pateshill Reservoir | Water Superintendent | 5 | 1 | 3 900 | ... | 37·44 | 220 | 164 |
| D | Pentland Hills (Harperrig) | Edinburgh Water Engineer | 5 | 1 | 0 900 | 38·8 | 37·33 | 197 | 145 |
| D | Pentland Hills (Morton) | Messrs. J. & A. Leslie & Reid | 5 | 1 | 0 749 | 37·4 | 36·56 | 229 | 164 |
| d | West Calder (Addiewell) | Scottish Oils, Ltd. | 12 | 21 | 0 620 | 35·7 | 35·71 | 210 | 158 |
| D | BOGHALL (+A) | Edin. & E. of S. Coll. of Ag. | 8 | 1 | 0 639 | 33·1 | 32·03 | 219 | 151 |
| D | BALERNO (Shothead) | Inst. of Animal Genetics | 5 | 1 | 0 750 | ... | 32·82 | 209 | 151 |
| M | Pentland Hills (Bonaly Res.) | Edinburgh Water Engineer | 11 | 0 | 8 1112 | 33·9 | 34·34 | ... | ... |
| D | Pentland Hills (Clubbiedean Res.) | Edinburgh Water Engineer | 5 | 1 | 0 773 | 30·4 | 30·11 | 200 | 152 |
| D | Fairmilehead (Frogston Rd.) | J. Aitchison, Esq. | 5 | 1 | 0 600 | ... | 30·76 | 209 | 152 |
| D | Fairmilehead (Waterworks) | Edinburgh Water Engineer | 5 | 1 | 0 590 | 30·8 | 29·32 | 189 | 143 |
| D | Liberton (Alnwick Hill) | Edinburgh Water Engineer | 5 | 1 | 0 407 | 28·5 | 23·78 | 197 | 137 |
| | Liberton (Hawkhead Grove) | G. M. Stuart, Esq. | 5 | 1 | 0 400 | ... | 26·72 | ... | ... |
| D | Colinton (Firhill Tank) | Edinburgh Water Engineer | 5 | 0 | 10 412 | 29·0 | 27·40 | 227 | 148 |
| D | LIBERTON (College Farm) | Edin. & E. of S. Coll. of Ag. | 5 | 1 | 0 190 | 27·7 | 23·54 | 179 | 134 |
| D | Liberton (The Inch) | Sir John Gilmour, Bt. | 5 | 1 | 0 60 | ... | 24·94 | 168 | 131 |
| D | Edinburgh (Hermitage of Braid) | J. J. Jeffrey, Esq. | 5 | 1 | 0 300 | ... | 27·20 | 190 | 126 |
| D | Edinburgh (Craiglockhart) | I. C. Hedge, Esq. | 5 | 1 | 0 295 | ... | 28·71 | 193 | 150 |
| D | EDINBURGH (BLACKFORD HILL) | Astronomer Royal for Scot. | 8 | 1 | 0 441 | 26·3 | 24·55 | 198 | 134 |
| D | Edinburgh (Gogar Park) | Mrs. Robert Cross | 5 | 1 | 0 155 | ... | 26·72 | 174 | 134 |
| D | Edinburgh (Napier Road) | Mrs. H. G. Harrison | 5 | 1 | 0 300 | 26·2 | 29·30 | 199 | 151 |
| D | *Edinburgh (A. Ainslie Inst.) | Medical Superintendent | 5 | 1 | 0 270 | 27·7 | 26·35 | 161 | 143 |
| D | EDINBURGH (ROYAL BOTANIC GD.) | Prof. Sir W. Wright-Smith | 5 | 1 | 0 74 | 26·5 | 24·97 | 173 | 126 |
| D | Davidson's Mains (Easter Park) | J. W. Younger, Esq. | 5 | 1 | 0 200 | ... | 25·79 | 191 | 138 |
| | **6.—CLYDE. Right Bank Tributaries. 1 sq. mi.** | | | | | | | | |
| | **WEST LOTHIAN. (Area, 120 sq. mi.)** | | | | | | | | |
| | **1.—ALMOND & C. 60 sq. mi.** | | | | | | | | |
| M | Uphall No. 7 | Edinburgh Water Engineer | 8 | 1 | 4 646 | ... | 34·56 | ... | ... |
| M | Uphall No. 8 | Edinburgh Water Engineer | 8 | 1 | 4 577 | 32·7 | 34·48 | ... | ... |
| d | Uphall (Middleton Hall) | Scottish Oils, Ltd. | 8 | 1 | 0 350 | 31·4 | 31·74 | 194 | 160 |
| D | Uphall (Houstoun House) | The Hon. Mrs. Linsay | 5 | 1 | 0 420 | ... | 33·78 | 205 | 154 |
| M | Winchburgh (Hopetown Oil Wks.) | Scottish Oils, Ltd. | 8 | 2 | 2 327 | 33·3 | 30·10 | ... | ... |
| D | Dalmeny House | The Earl of Rosebery | 5 | 0 | 6 20 | 25·9 | 27·54 | 177 | 135 |
| | **2.—FORTH. Right Bank Tributaries. 59 sq. mi.** | | | | | | | | |
| D | Armadale (Stonerigg Filters) | Water Superintendent | 5 | 1 | 0 620 | ... | 36·24 | 213 | 156 |
| D | Armadale Sewage Works | Burgh Engineer | 5 | 1 | 0 417 | ... | 36·17 | 212 | 155 |
| D | Bathgate (Northbank Filters) | J. Spalding, Esq. | 5 | 0 | 9 640 | 33·2 | 35·28 | 212 | 158 |
| D | Torphicen (Lochcote) | Wm. Beattie, Esq. | 5 | 0 | 9 550 | 33·5 | 36·07 | 206 | 161 |
| M | Carribber Reservoir | Wm. Beattie, Esq. | 5 | 0 | 9 350 | 33·1 | 35·60 | ... | ... |
| w | Linlithgow (Cockleroi Res.) | Burgh Surveyor | 5 | 1 | 0 587 | ... | 33·71 | ... | ... |
| D | Linlithgow (Preston House) | Head Gardener | 5 | 1 | 0 380 | 32·6 | 37·74 | 203 | 150 |
| D | Linlithgow (Grange) | Col. H. M. Cadell | 5 | 1 | 0 440 | 30·2 | 32·56 | 195 | 139 |
| | **3.—CLYDE. Right Bank Tributarles. 1 sq. mi.** | | | | | | | | |

* Station formerly called Edinburgh (St. Roque).

# DIVISION XIV—SOUTH-WESTERN COUNTIES

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **LANARK. (Area, 881 sq. mi.)** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **1.—TWEED. UPPER. Left Bank Tributaries. 20 sq. mi.** | | | | | | | | |
| | **2.—ALMOND. 14 sq. mi.** | | | | | | | | |
| | **3.—FORTH. Right Bank Tributaries. 9 sq. mi.** | | | | | | | | |
| D | Airdrie (Forrestburn Res.) | T. Aitken, Esq. | 5 | 1 0 | 700 | 37·1 | 34·82 | 229 | 168 |
| | **4.—CLYDE. Right Bank Tributaries. 378 sq. mi.** | | | | | | | | |
| D | Crawford (Camps Res.) | M. S. Neilson, Esq. | 11 | 0 10 | 969 | 44·9 | 43·80 | 220 | 174 |
| D | Crawford (Camps Res.) (+A) | M. S. Neilson, Esq. | 5 | 0 10 | 969 | 43·8 | 41·21 | 220 | 173 |
| w | Coulter Reservoir | L. Costley, Esq., C.E. | 5 | 1 0 | 1250 | ... | 44·90 | ... | ... |
| D | Biggar (Huntfield) | Miss Dunlop | 5 | 1 0 | 900 | 31·5 | 31·57 | 198 | 127 |
| d | Lamington House | Rt. Hon. Lord Lamington | 5 | 1 0 | 730 | 36·9 | 34·88 | 182 | 164 |
| D | Carluke (Coldstream Res.) | L. Costley, Esq., C.E. | 5 | 1 0 | 800 | ... | 32·48 | 224 | 163 |
| | Carluke | J. Barr, Esq. | 5 | 0 8 | 630 | ... | 30·32 | ... | ... |
| D | CARLUKE (Law Junction) | Dr. W. A. Galbraith | 5 | 1 0 | 534 | ... | 29·23 | 196 | 147 |
| w | Carluke (Springfield Reservoir) | L. Costley, Esq., C.E. | 5 | 1 0 | 860 | 39·5 | 35·05 | ... | ... |
| D | Carluke (Gair Reservoir) | L. Costley, Esq., C.E. | 5 | 1 0 | 665 | 34·9 | 30·41 | 197 | 152 |
| | Wishaw (Coronation Street) | A. Hinshelwood, Esq. | 5 | 1 3 | 510 | ... | 31·86 | ... | ... |
| D | Shotts Reservoir) | M. S. Neilson, Esq. | 5 | 1 0 | 839 | ... | 38·16 | 206 | 168 |
| D | Glasgow (Rutherglen) | F. C. Thomson, Esq. | 5 | 1 0 | 100 | ... | 40·29 | 224 | 166 |
| D | Glasgow (Tollcross Park) | G. H. Garside, Esq. | 5 | 0 6 | 84 | 37·4 | 36·37 | 206 | 161 |
| D | Glasgow Green | G. H. Garside, Esq. | 5 | 0 6 | 35 | 36·0 | 38·00 | 200 | 162 |
| D | Glasgow (Alexandra Park) | G. H. Garside, Esq. | 5 | 0 6 | 141 | 36·0 | 38·77 | 210 | 163 |
| D | Glasgow (Botanic Gardens) | G. H. Garside, Esq. | 5 | 0 6 | 110 | 34·7 | 34·88 | 210 | 160 |
| D | Glasgow (Kelvingrove Park) | G. H. Garside, Esq. | 5 | 0 6 | 48 | 36·1 | 36·50 | 214 | 171 |
| D | Glasgow (Victoria Park) | G. H. Garside, Esq. | 5 | 0 6 | 30 | 36·1 | 38·60 | 206 | 171 |
| D | Glasgow (Ruchill Park) | G. H. Garside, Esq. | 5 | 0 6 | 222 | 36·0 | 37·42 | 202 | 162 |
| D | GLASGOW (SPRINGBURN PARK) | G. H. Garside, Esq. | 5 | 0 6 | 351 | 36·9 | 39·93 | 242 | 169 |
| M | Clarkston (Roughrigg Res.) | D. T. Brown, Esq., C.E. | 5 | 1 0 | 664 | 35·8 | 36·60 | ... | ... |
| D | Coatbridge (West End Park) | S. Lauder, Esq. | 5 | 1 0 | 240 | ... | 32·76 | 220 | 160 |
| D | Coatbridge (Whifflet Public Park) | S. Lauder, Esq. | 5 | 1 0 | 295 | ... | 34·46 | 192 | 155 |
| D | Coatbridge (Dunbeth Public Park) | S. Lauder, Esq. | 5 | 1 0 | 325 | ... | 36·91 | 189 | 161 |
| D | Airdrie (Broomknoll Street) | D. T. Brown, Esq., C.E. | 5 | 1 0 | 402 | 35·0 | 34·11 | 195 | 152 |
| D | Gartcosh (Gartloch Hospital) | Mr. Donald McMillan | 5 | 1 0 | 291 | 37·8 | 37·59 | 209 | 171 |
| | **5.—CLYDE. Left Bank Tributaries. 448 sq. mi.** | | | | | | | | |
| D | Elvanfoot (Peden Res.) | L. Costley, Esq., C.E. | 5 | 1 0 | 964 | ... | 69·45 | 219 | 194 |
| D | Douglas (Monksfoot) | T. Steele, Esq. | 5 | 1 0 | 780 | ... | 44·48 | 224 | 176 |
| D | Douglas (Newmains) | The Earl of Home | 8 | 1 4 | 780 | ... | 36·19 | 221 | 170 |
| D | Strathaven (Glengavel Res.) | M. S. Neilson, Esq. | 5 | 1 0 | 839 | 47·9 | 52·18 | 230 | 182 |
| D | Symington (Birkwood) | Col. D. E. Brand, D.S.O. | 5 | 1 6 | 725 | ... | 32·68 | 200 | 145 |
| D | Strathaven (DUNGAVEL) | Duke of Hamilton & Brandon | 5 | 1 0 | 798 | 43·9 | 42·90 | 227 | 173 |
| D | Strathaven (Dunside Res.) | M. S. Neilson, Esq. | 5 | 0 10 | 1010 | 46·4 | 50·50 | 235 | 193 |
| D | Strathaven (Dunside Res.) *new site* | M. S. Neilson, Esq. | 5 | 1 0 | 1002 | 46·3 | 52·24 | 235 | 193 |
| D | Strathaven (Kype Res.) | George Allison, Esq. | 5 | 1 0 | 941 | 46·6 | 49·35 | 208 | 173 |
| D | Stonehouse (Sanatorium) | County Road Surveyor | 5 | 0 7 | 526 | 36·6 | 36·64 | 229 | 149 |
| D | Stonehouse (Glasshouse Filters) | M. S. Neilson, Esq. | 5 | 0 9 | 775 | 39·8 | 42·53 | 219 | 175 |
| D | Hamilton W.W. (Townhill) | George Allison, Esq. | 5 | 1 0 | 430 | 35·6 | 35·33 | 197 | 151 |
| D | Hamilton (Woodlea) | W. Fletcher, Esq. | 5 | 1 4 | 192 | ... | 34·89 | 201 | 151 |
| D | Carmunnock (Carnbooth) | R. Robertson, Esq., D.L., LL.D | 5 | 1 0 | 365 | 39·8 | 40·89 | 216 | 165 |
| D | Cambuslang (Greenlees Filters) | M. S. Neilson, Esq. | 5 | 1 0 | 322 | 36·3 | 38·60 | 211 | 161 |
| D | Glasgow (Bellahouston Park) | G. H. Garside, Esq. | 5 | 0 6 | 80 | 34·6 | 40·18 | 208 | 172 |
| D | Glasgow (Elder Park) | G. H. Garside, Esq. | 5 | 0 6 | 25 | 37·0 | 40·61 | 217 | 174 |

## DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | LANARK—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **6.—IRVINE. 2 sq. mi.** | | | | | | | | |
| | **7.—AYR. 1 sq. mi.** | | | | | | | | |
| | **8.—NITH. 2 sq. mi.** | | | | | | | | |
| | **9.—ANNAN. 7 sq. mi.** | | | | | | | | |
| | **AYR. (Area, 1,135 sq. mi.)** | | | | | | | | |
| | **1.—CLYDE. Left Bank Tributaries. 7 sq. mi.** | | | | | | | | |
| | **2.—FIRTH OF CLYDE. 60 sq. mi.** | | | | | | | | |
| D | Ardrossan (Mill Glen Filters) | ... H. R. Seaton, Esq. ... | 5 | 1 0 | 167 | ... | 39·49 | 197 | 170 |
| D | Stevenston (Greenhead Filters) | ... W. G. Guild, Esq. ... ... | 5 | 1 0 | 186 | 41·6 | 38·93 | 204 | 159 |
| | Ardrossan (Busbie Res.) ... | ... H. R. Seaton, Esq. ... | 5 | 1 0 | 370 | ... | 44·74 | ... | ... |
| | West Kilbride (Crosbie Res.) ... | ... W. Gray, Esq. ... ... | 5 | 1 0 | 400 | ... | 40·31 | ... | ... |
| D | West Kilbride (Hunterston) ... | ... Lt.-Gen. Sir A. Hunter-Weston, K.C.B. ... ... | 5 | 1 0 | 40 | 42·4 | 41·30 | 224 | 174 |
| | Fairlie (Water Works) ... ... | ... W. Gray, Esq. ... ... | 5 | 1 0 | 270 | ... | 48·61 | ... | ... |
| D | Largs (Stevenson Institute) ... | ... G. Arkieson, Esq. ... ... | 5 | 1 0 | 20 | ... | 47·70 | 212 | 181 |
| D | Largs (Woodbank) ... ... | ... A. Simpson, Esq. ... ... | 5 | 1 0 | 25 | ... | 46·33 | 224 | 186 |
| D | Largs (South Routenburn) ... | ... A. K. Gordon, Esq. ... | 5 | 1 0 | 150 | ... | 44·75 | 220 | 173 |
| D | Largs (Middleton Filters) ... | ... G. Arkieson, Esq. ... ... | 5 | 1 0 | 230 | 52·0 | 50·29 | 221 | 181 |
| | Shaws W.W. (Knockencorsan) | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 1040 | ... | 64·00 | ... | ... |
| | Shaws W.W. (Largs Road) ... | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 910 | *57·0* | 63·00 | ... | ... |
| | **3.—IRVINE & C. 296 sq. mi.** | | | | | | | | |
| D | PRESTWICK ... ... ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 17 | ... | 28·27 | 192 | 147 |
| D | PRESTWICK AIRPORT ... ... | ... Meteorological Office ... | 5 | 1 0 | 30 | ... | 30·19 | 190 | 145 |
| D | Prestwick (Ladykirk Filters) ... | ... Burgh Surveyor ... ... | 6 | 1 0 | 185 | ... | 29·74 | 203 | 148 |
| d | TROON ... ... ... ... | ... Town Council ... ... | 5 | 1 0 | 15 | ... | 25·19 | 165 | 128 |
| D | Symington ... ... ... | ... T. McMillan, Esq., M.A. ... | 5 | 1 0 | 300 | ... | 34·08 | 203 | 157 |
| d | Hurlford (Carnell) ... ... | ... Mrs. J. B. Findlay ... ... | 5 | 1 0 | 300 | ... | 36·68 | ... | 152 |
| | Troon (Collenan Reservoir) ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 203 | ... | 32·36 | ... | ... |
| D | Treesbank ... ... ... | ... Mr. A. B. Stewart ... ... | 5 | 1 0 | 150 | ... | 39·84 | 208 | 155 |
| D | Irvine (Gailes) ... ... ... | ... H. W. Aitken, Esq.... ... | 5 | 1 0 | 12 | 35·9 | 34·36 | 196 | 153 |
| d | Galston (Cessnock Road) ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 215 | ... | 40·28 | 192 | 162 |
| D | Templetonburn ... ... ... | ... L. C. Howie, Esq. ... ... | 5 | 1 0 | 140 | ... | 40·46 | 202 | 159 |
| D | Darvel (Kirkland Park) ... | ... W. Dunbar, Esq. ... ... | 5 | 0 6 | 419 | ... | 42·44 | 212 | 164 |
| | Raithhill ... ... ... | ... W. Dunbar, Esq. ... ... | 5 | 1 0 | 640 | ... | 47·16 | ... | ... |
| D | KILMARNOCK (Kay Park) ... | (+A) W. Dunbar, Esq. ... ... | 5 | 4 0 | 132 | ... | 39·48 | 216 | 157 |
| D | Kilmarnock (Dean Castle) ... | ... Mr. W. R. Culton ... ... | 5 | 1 0 | 190 | 40·7 | 39·75 | 209 | 167 |
| d | Irvine (Cuninghame Home) ... | ... Governor ... ... ... | 5 | 1 0 | 24 | ... | 38·72 | 197 | 160 |
| D | Kilmarnock (North Craig Res.) | ... W. Dunbar, Esq. ... ... | 5 | 1 0 | 319 | 41·2 | 43·60 | 208 | 166 |
| D | Montgreenan Gardens ... | ... A. Dow, Esq. ... ... | 5 | 0 9 | 180 | ... | 45·02 | 218 | 169 |
| | Fenwick (Whiteleehill) ... | ... W. Dunbar, Esq. ... ... | 5 | 1 0 | 915 | 48·6 | 46·31 | ... | ... |
| D | Fenwick (Hareshawmuir) ... | ... W. Dunbar, Esq. ... ... | 5 | 1 0 | 600 | 48·5 | 43·69 | 206 | 159 |
| | Croilburn ... ... ... | ... W. Dunbar, Esq. ... ... | 5 | 1 0 | 725 | ... | 44·96 | ... | ... |
| D | Fenwick (Amlaird Filters) ... | ... W. Dunbar, Esq. ... ... | 5 | 1 0 | 590 | 43·3 | 46·38 | 232 | 164 |
| | Craigendunton Reservoir ... | ... W. Dunbar, Esq. ... ... | 5 | 1 0 | 805 | 46·4 | 51·37 | ... | ... |
| | Loch Goin Reservoir ... ... | ... W. Dunbar, Esq. ... ... | 5 | 1 0 | 865 | 49·4 | 53·70 | ... | ... |
| D | Blair Gardens ... ... ... | ... W. Dunbar, Esq. ... ... | 5 | 1 0 | 155 | ... | 47·83 | 212 | 182 |
| | Moor Farm ... ... ... | ... W. Dunbar, Esq. ... ... | 5 | 1 0 | 810 | ... | 52·07 | ... | ... |

## DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **AYR—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **3.—IRVINE & C.—(*contd.*).** | | | | | | | | |
| D | Stewarton Filters | C. Mc.L. Bodie, Esq. | 5 | 1 6 | 515 | ... | 47·96 | 204 | 167 |
| D | Dalry (Munnoch Reservoir) | W. G. Guild, Esq. | 5 | 1 0 | 325 | 47·9 | 48·99 | 222 | 180 |
| D | Dalry (Caaf Reservoir) | W. G. Guild, Esq. | 5 | 1 3 | 515 | 53·2 | 56·60 | 235 | 186 |
| D | Dalry (Birkheadsteel) | W. G. Guild, Esq. | 5 | 1 3 | 520 | ... | 56·55 | 235 | 187 |
| D | Dalry W.W. (Filters) | W. Gray, Esq. | 5 | 1 0 | 320 | 46·5 | 52·24 | 217 | 180 |
| D | Dalry (Templand) | A. Shanks, Esq. | 5 | 1 0 | 154 | ... | 44·41 | 217 | 167 |
| | Dalry W.W. (Thirdpart) | W. Gray, Esq. | 5 | 1 0 | 560 | 52·0 | 48·79 | ... | ... |
| M | Dalry (South Knockendon) | W. G. Guild, Esq. | 5 | 1 1 | 704 | ... | 54·10 | ... | ... |
| | Dalry (Knockendon) | W. G. Guild, Esq. | 5 | 1 0 | 750 | ... | 51·00? | ... | ... |
| M | Dalry (South Bradshaw) | W. G. Guild, Esq. | 5 | 1 1 | 946 | ... | 54·50 | ... | ... |
| M | Dalry (Haining) | J. A. McGregor, Esq., C.E. | 5 | 1 0 | 895 | ... | 64·40 | ... | ... |
| | Dalry (Camphill Reservoir) | J. A. McGregor, Esq., C.E. | 5 | 1 0 | 611 | 61·2 | 66·31 | ... | ... |
| M | Dalry (Catburn) | J. A. McGregor, Esq., C.E. | 5 | 1 0 | 1013 | ... | 67·30 | ... | ... |
| M | Dalry (Whitehill) | J. A. McGregor, Esq., C.E. | 5 | 1 0 | 628 | ... | 65·95· | ... | ... |
| M | Dalry (Blairpark) | J. A. McGregor, Esq., C.E. | 5 | 1 0 | 722 | ... | 68·20 | ... | ... |
| M | Dalry (Rye Water) | J. A. McGregor, Esq., C.E. | 5 | 1 0 | 1032 | ... | 69·60 | ... | ... |
| D | Beith (Filter Station) | W. Gray, Esq. | 5 | 1 0 | 412 | 53·7 | 55·67 | 220 | 180 |
| D | Kilbirnie (Hole House Filters) | W. Gray, Esq. | 5 | 1 0 | 377 | 68·0 | 67·26 | 241 | 197 |
| M | Kilbirnie (Pundeavon Res.) *new gauge* | W. Gray, Esq. | 5 | 1 0 | 898 | ... | 81·45 | ... | ... |
| | **4.—AYR. 222 sq. mi.** | | | | | | | | |
| D | Ayr Cemetery | Thomas O'Beirne, Esq., C.E. | 5 | 1 0 | 40 | 34·8 | 29·83 | 174 | 137 |
| D | AUCHINCRUIVE | W. Scotland Agric. College | 8 | 1 0 | 147 | 39·0 | 32·34 | 200 | 150 |
| d | Catrine | Messrs. J. Finlay & Co. Ltd. | 5 | 1 0 | 300 | 42·6 | 37·27 | ... | ... |
| D | Montgomerie | E. S. Arthur, Esq. | 5 | 1 2 | 340 | 42·2 | 35·26 | 200 | 147 |
| D | Muirkirk (Kaimshill) | A. B. Thomson, Esq. | 5 | 1 6 | 750 | 47·8 | 42·42 | 211 | 171 |
| D | Mauchline (Auchenfail) | Mr. J. McGuffog | 5 | 0 9 | 380 | ... | 36·74 | 219 | 170 |
| D | Mauchline (Hillhead Tank) | W. Gray, Esq. | 5 | 1 0 | 564 | 42·8 | 35·57 | 187 | 157 |
| | **5.—DOON. 119 sq. mi.** | | | | | | | | |
| | Tunskeen | Galloway Water Power Co. | 5 | 1 0 | 1010 | 76·2 | 79·74 | ... | ... |
| | Loch Recawr | Thomas O'Beirne, Esq., C.E. | 5 | 1 0 | 933 | ... | 69·25 | ... | ... |
| | Loch Finlas | Thomas O'Beirne, Esq., C.E. | 5 | 1 0 | 849 | 55·1 | 53·01 | ... | ... |
| D | Dalmellington (Mossdale Filters) | W. Gray, Esq. | 5 | 1 0 | 752 | 48·6 | 49·09 | 244 | 185 |
| D | Dunaskin (Ardoon) | Messrs. Bairds & Dalmellington Ltd. | 5 | 1 0 | 686 | 47·8 | 45·08 | 225 | 190 |
| D | Patna (Kerse Filters) | W. Gray, Esq. | 5 | 1 0 | 741 | ... | 43·69 | 223 | 178 |
| D | Maybole (Otterden) | Mr. D. Bremner | 5 | 1 3 | 314 | 43·2 | 36·66 | 219 | 166 |
| | Dalrymple (Knockjarder W.W.) | Thomas O'Beirne, Esq., C.E. | 5 | 1 0 | 287 | 42·6 | 37·01 | ... | ... |
| D | Ayr (Doonholm) | Col. N. Kennedy, C.B.E., D.S.O. | 5 | 1 0 | 90 | 38·8 | 36·67 | 207 | 169 |
| D | Alloway (Doonside) | Mr. R. McLeod | 5 | 1 6 | 99 | ... | 38·26 | 193 | 166 |
| | **6.—CULZEAN BAY & C. 32 sq. mi.** | | | | | | | | |
| D | TURNBERRY | J. C. Ross, Esq. | 5 | 1 0 | 63 | ... | 33·19 | 184 | 151 |
| D | Maybole (Culzean Castle Gardens) | Mr. W. J. Orr | 8 | 1 3 | 138 | 36·4 | 39·54 | 184 | 156 |
| | **7.—GIRVAN. 105 sq. mi.** | | | | | | | | |
| D | Girvan (Penwhapple Res.) | Burgh Surveyor | 5 | 1 0 | 662 | ... | 49·58 | 215 | 162 |
| w | Loch Bradan | Burgh Surveyor, Troon | 5 | 0 10 | 990 | 57·6 | 52·52 | ... | ... |

## DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **AYR.—(*contd.*).** | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **8. STINCHAR & C. 155 sq. mi.** | | | | | | | | |
| d | Glenapp (Castle Gardens) ... | ... Mr. J. A. Macdonald ... | 5 | 1 | 0 300 | ... | 48·55 | ... | 172 |
| D | COLMONELL (Knockdolian) ... | ... D. D. Gordon for Maj. D. McConnell ... ... | 5 | 1 | 0 170 | 44·8 | 39·76 | 196 | 159 |
| w | Girvan (Glendrissaigh Res.) ... | ... Burgh Surveyor ... ... | 11 | 0 | 9 266 | ... | 37·21 | ... | ... |
| | **9.—LOCH RYAN. 12 sq. mi.** | | | | | | | | |
| | **10.—LUCE BAY. 15 sq. mi.** | | | | | | | | |
| | **11.—CREE. 40 sq. mi.** | | | | | | | | |
| | **12.—DEE. 9 sq. mi.** | | | | | | | | |
| | **13.—NITH. 62 sq. mi.** | | | | | | | | |
| | Afton Res. (Afton Water) ... | ... W. Gray, Esq. ... ... | 5 | 1 | 0 1525 | 82·7 | 80·40 | ... | ... |
| | Afton Res. (Alwhat Burn) ... | ... W. Gray, Esq. ... ... | 5 | 1 | 0 1435 | 84·6 | 81·60 | ... | ... |
| | Afton Res. (Montraw Burn) ... | ... W. Gray, Esq. ... ... | 5 | 1 | 0 1554 | 79·8 | 80·50 | ... | ... |
| | §Afton Res. (Montraw) ... | ... W. Gray, Esq. ... ... | 5 | 1 | 0 1372 | 78·8 | 77·20 | ... | ... |
| | Afton Res. (Green Burn) ... | ... W. Gray, Esq. ... ... | 5 | 1 | 0 1415 | 87·2 | 85·10 | ... | ... |
| D | Afton Res. (Filters) ... ... | ... W. Gray, Esq. ... ... | 5 | 1 | 0 1366 | ... | 79·35 | 242 | 199 |
| D | Glen Afton (Ayr Sanatorium) | ... Dr. Wm. A. Murray ... | 5 | 1 | 0 833 | 53·2 | 53·17 | 215 | 178 |
| D | New Cumnock (Power Station) | ... New Cumnock Collieries, Ltd. | 5 | 1 | 0 764 | 55·8 | 49·62 | 193 | 164 |
| | **14.—INSULAR. 1 sq. mi.** | | | | | | | | |
| | Ailsa Craig ... ... ... | ... Com'rs. of N. Lighthouses | 5 | 1 | 0 35 | 27·0 | 31·65 | 167 | 152 |
| | **RENFREW. (Area, 241 sq. mi.)** | | | | | | | | |
| | **1.—CLYDE. Right Bank Tributaries. 3 sq. mi.** | | | | | | | | |
| | **2.—CLYDE. Left Bank Tributaries. 194 sq. mi.** | | | | | | | | |
| M | Eaglesham (Dunwan Res.) ... No. 3 | Geo. Sime, Esq. ... ... | 5 | 1 | 0 822 | 55·5 | 53·46 | ... | ... |
| | Eaglesham (Dunwan Res.) ... No. 4 | Geo. Sime, Esq. ... ... | 5 | 1 | 0 841 | 55·7 | 54·28 | ... | ... |
| w | Eaglesham (Dunwan Res.) ... No. 2 | Geo. Sime, Esq. ... ... | 5 | 1 | 0 820 | ... | 53·21 | ... | ... |
| w | Eaglesham (Picketlaw Res.) ... No. 1 | Geo. Sime, Esq. ... ... | 5 | 1 | 0 690 | ... | 55·96 | ... | ... |
| D | Gorbals Dist. W.W. (Waulk Glen) ... | S. D. Canvin, Esq., C.E. ... | 12 | 0 | 5 280 | 47·2 | 49·40 | 215 | 173 |
| | Paisley W.W. (Muirhead) ... | ... J. A. McGregor, Esq., C.E. | 5 | 1 | 0 482 | 53·9 | 57·45 | ... | ... |
| | Paisley W.W. (Springside) ... | ... J. A. McGregor, Esq., C.E. | 5 | 1 | 0 532 | 59·1 | 59·24 | ... | ... |
| | Paisley W.W. (Back Thornlymuir) ... | J. A. McGregor, Esq., C.E. | 12 | 1 | 0 646 | 50·9 | 55·31 | ... | ... |
| | Paisley W.W. (Stanely) ... | ... J. A. McGregor, Esq., C.E. | 5 | 1 | 0 190 | ... | 48·50 | ... | ... |
| D | Barrhead (Sewage Wks.) ... | ... J. M. Rigg, Esq. ... ... | 5 | 1 | 0 100 | ... | 42·27 | 194 | 165 |
| D | Howwood (Midton House) ... | ... A. D. McNab, Esq. ... | 5 | 1 | 3 232 | 56·9 | 57·49 | 201 | 175 |
| D | Pollokshaws (Rouken Glen) ... | ... G. H. Garside, Esq. ... | 5 | 0 | 6 155 | 43·2 | 41·43 | 202 | 155 |
| D | Glasgow (The Linn Park) ... | ... G. H. Garside, Esq. ... | 5 | 1 | 0 180 | ... | 38·18 | 202 | 169 |
| D | Pollokshaws (Pollok House) ... | ... Sir J. Stirling Maxwell, Bt.... | 5 | 1 | 0 50 | 36·5 | 38·34 | 225 | 160 |
| D | Glasgow (Queen's Park) ... | ... G. H. Garside, Esq. ... | 5 | 0 | 9 147 | 36·1 | 40·02 | 237 | 166 |
| D | Glasgow (Maxwell Park) ... | ... G. H. Garside, Esq. ... | 5 | 0 | 6 69 | 35·7 | 37·52 | 206 | 163 |
| D | Lochwinnoch (Kaim Dam) ... | ... J. H. Murray, Esq., C.E. ... | 8 | 1 | 0 616 | 63·2 | 76·65 | 226 | 191 |
| D | Kilbarchan (Glentyan) ... | ... J. C. Hunter, Esq., J.P. ... | 5 | 1 | 1 300 | 52·6 | 59·17 | 227 | 193 |
| D | Johnstone (Brookfield) ... | ... J. M. Hird, Esq. ... ... | 5 | 1 | 0 100 | ... | 53·70 | 213 | 178 |

§ Turf wall round gauge.

## DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **RENFREW—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **2.—CLYDE. Left Bank Tributaries—(*contd.*).** | | | | | | | | |
| D | Paisley (Thornly Park School) | ... W. K. Wallace Lees, Esq. | 5 | 1 0 | 195 | ... | 47·03 | 211 | 176 |
| D | PAISLEY (Coats Observatory) ... | ... Obs. Com. (J. Woodrow) ... | 8 | 1 0 | 106 | 40·7 | 43·10 | 222 | 169 |
| | §Shaws W.W. (Duchal Moor) ... | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 1150 | ... | 79·90? | ... | ... |
| | §Shaws W.W. (Creuch Hill) ... | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 1350 | ... | 71·70 | ... | ... |
| | Shaws W.W. (Green Water) ... | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 788 | *68·1* | 67·90 | ... | ... |
| D | Renfrew (ABBOTSINCH) ... | (+A) Meterological Office ... | 8 | 1 0 | 19 | 37·0 | 38·84 | 205 | 163 |
| D | Kilmacolm W.W. ... ... | ... James Grier, Esq. ... ... | 5 | 1 0 | 600 | ... | 68·55 | 235 | 197 |
| D | Kilmacolm Village ... ... | ... James Grier, Esq. ... ... | 5 | 1 0 | 300 | 51·7 | 58·19 | 233 | 191 |
| D | Shaws W.W. (Gryfe Reservoir) | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 640 | 64·0 | 63·66 | 214 | 193 |
| D | Shaws W.W. (Mansfield) ... | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 573 | 65·2 | 57·49 | 213 | 183 |
| | Shaws W.W. (Darndaff Moor) | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 850 | 64·5 | 62·00 | ... | ... |
| | **3.—FIRTH OF CLYDE. 34 sq. mi.** | | | | | | | | |
| W | Shaws W.W. (Kelly Dam) ... | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 640 | 63·6 | 60·80 | ... | ... |
| | Inverkip (Daff Burn Reservoir) | ... Ian Wilson, Esq. ... ... | 8 | 1 0 | 506 | 58.4 | 57·87 | ... | ... |
| W | Dougliehill Filters (Pt. Glas. W.W.) | ... I. M. MacLean, Esq., | 8 | 1 6 | 550 | 53·4 | 52·55 | ... | ... |
| W | Parkhill Filters (Pt. Glas. W.W.) | ... I. M. MacLean, Esq., C.E. | 8 | 1 6 | 275 | 48·1 | 48·83 | ... | ... |
| D | Shaws W.W. (Compens. Res.) | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 600 | ... | 60·78 | 235 | 196 |
| D | Shaws W.W. (Loch Thom) ... | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 643 | 65·4 | 62·89 | 235 | 195 |
| W | Shaws W.W. (Shielhill) ... | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 962 | 64·2 | 64·60 | ... | ... |
| D | Shaws W.W. (New Yett's Dam) | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 800 | 63·2 | 61·47 | 229 | 194 |
| W | Shaws W.W. (Spango Burn) ... | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 757 | 62·6 | 66·50 | ... | ... |
| D | Shaws W.W. (Hole Glen) ... | ... J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 603 | 61·6 | 66·16 | 229 | 195 |
| D | GREENOCK (Prospect Hill) ... | (+A) J. MacAlister, Esq., C.E. ... | 5 | 1 0 | 199 | 58·2 | 53·78 | 222 | 177 |
| D | Gourock (Coves Reservoir) ... | ... Ian Wilson, Esq. ... ... | 5 | 1 0 | 330 | ... | 53·54 | 213 | 182 |
| | **4.—IRVINE. 10 sq. mi.** | | | | | | | | |

## DIVISION XV—WEST MIDLAND COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **DUNBARTON. (Area, 270 sq. mi.)** | | | | | | | | |
| | **1.—FORTH. Right Bank Tributaries. 10 sq. mi.** | | | | | | | | |
| | **2.—FIRTH OF CLYDE & COWAL. 52 sq. mi.** | | | | | | | | |
| D | CARDROSS (Kilmahew) ... | ... Mrs. Allan ... ... ... | 5 | 1 0 | 130 | 45·9 | 46·71 | 233 | 182 |
| D | Kilcreggan (Portkil) ... ... | ... J. J. McKichan, Esq. ... | 5 | 1 0 | 150 | ... | 51·81 | 217 | 185 |
| D | HELENSBURGH (Valve House) ... | ... Burgh Engineer ... ... | 8 | 1 0 | 293 | 53·0 | 52·48 | 234 | 205 |
| D | Garelochhead (Arddarroch Gdns.) | ... Mr. D. Macpherson ... | 5 | 1 0 | 100 | ... | 80·55 | 231 | 198 |
| | **3.—CLYDE. Leven. 149 sq. mi.** | | | | | | | | |
| d | Dumbarton (Sewage Works) ... | ... W. Wilson, Esq., C.E. ... | 5 | 1 0 | 11 | ... | 43·24 | 184 | 166 |
| D | Renton (Carman Filters) ... | ... J. Collier, Esq. ... ... | 8 | 4 0 | 292 | 46·8 | 46·66 | 209 | 174 |
| D | Loch Lomond Park ... ... | ... G. H. Garside, Esq. ... | 5 | 1 0 | 156 | 50·2 | 54·50 | 224 | 192 |
| | Helensburgh (Blairnairn) | ... No. 1 Burgh Engineer ... ... | 8 | 1 0 | 575 | ... | 76·99 | ... | ... |
| M | Glen Finlas Reservoir ... | ... No. 1 George Beaton, Esq. ... | 5 | 1 1 | 782 | *69·1* | 77·16 | ... | ... |
| D | Glen Finlas Reservoir ... | ... No. 7 George Beaton, Esq. ... | 5 | 1 6 | 810 | 81·4 | 83·05 | 222 | 199 |

§ Turf wall round gauge.

## DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **DUNBARTON—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **4.—CLYDE. Right Bank Tributaries. 59 sq. mi.** | | | | | | | | |
| D | Milngavie (Dougalston) ... ... | Mr. Allan Dunbar ... ... | 5 | 1 0 | 150 | 42·3 | 43·53 | 190 | 162 |
| D | Duntocher (Cochno Filters) ... | E. T. Collins, Esq. ... ... | 5 | 1 0 | 400 | 44·2 | 44·93 | 201 | 179 |
| W | Kilpatrick Hills (Greenside Res.) | E. T. Collins, Esq. ... ... | 5 | 1 0 | 876 | 51·8 | 54·21 | ... | ... |
| W | Kilpatrick Hills (Loch Cochno) | E. T. Collins, Esq. ... ... | 5 | 1 0 | 909 | 52·8 | 55·28 | ... | ... |
| W | Kilpatrick Hills (Jaw Reservoir) | E. T. Collins, Esq. ... ... | 5 | 1 0 | 912 | 53·9 | 55·73 | ... | ... |
| D | Milngavie (Craigton School) ... ... | Miss E. B. Reid ... ... | 5 | 1 0 | 425 | ... | 52·24 | 207 | 176 |
| | **STIRLING. (Area, 463 sq. mi.)** | | | | | | | | |
| | **1.—FORTH. Right Bank Tributaries. 263 sq. mi.** | | | | | | | | |
| D | Polmont (Vellore) ... ... ... | R. M. W. Brown, Esq. ... | 5 | 1 0 | 320 | 32·0 | 35·65 | 194 | 145 |
| d | Falkirk (Inglewood, Laurieston) | Miss H. S. D. Ballantine ... | 5 | 1 0 | 133 | 34·8 | 40·12 | ... | ... |
| D | FALKIRK (Arnotdale) ... ... ... | W. Gibson, Esq. ... ... | 5 | 1 0 | 105 | 33·7 | 37·56 | 195 | 155 |
| | Falkirk (Kerse) *new g.* ... ... | Robert Johnston, Esq. ... | 5 | 1 0 | 18 | 31·9 | 33·82 | ... | ... |
| D | Grangemouth (Burgh Depot) | J. C. Wallace, Esq., C.E. ... | 5 | 1 0 | 15 | 30·9 | 32·50 | 180 | 142 |
| M | Little Denny Reservoir ... ... | Stirling & Falkirk W. Bd. ... | 8 | 1 0 | 326 | 42·8 | 44·56 | ... | ... |
| M | Little Denny Filters ... ... ... | Stirling & Falkirk W. Bd. ... | 8 | 1 0 | 243 | 42·4 | 46·44 | ... | ... |
| M | Kilsyth (Faughlin Res.) ... ... | Stirling & Falkirk W. Bd. ... | 8 | 1 0 | 707 | 54·4 | 60·98 | ... | ... |
| | Fintry (Waterhead) ... ... ... | Stirling & Falkirk W. Bd. ... | 8 | 1 0 | 850 | 61·3 | 66·08 | ... | ... |
| | Denny (Buckieburn Reservoir) | Stirling & Falkirk W. Bd. ... | 8 | 1 0 | 824 | 45·3 | 59·26 | ... | ... |
| | Denny (Buckieburn Filters) ... ... | Stirling & Falkirk W. Bd. ... | 8 | 1 0 | 760 | 42·1 | 59·17 | ... | ... |
| M | Earlsburn Reservoir ... ... ... | Stirling & Falkirk W. Bd. ... | 8 | 1 0 | 1202 | 56·8 | 70·03 | ... | ... |
| D | Stirling (North Third Res.) ... No. 1 | J. C. Wallace, Esq., C.E. ... | 8 | 0 10 | 574 | 49·4 | 54·71 | 230 | 186 |
| | Stirling (North Third Res.) ... No. 2 | J. C. Wallace, Esq., C.E. ... | 5 | 1 0 | 825 | ... | 57·02 | ... | ... |
| | Stirling (North Third Res.) ... No. 3 | J. C. Wallace, Esq., C.E. ... | 5 | 1 0 | 1010 | ... | 59·50 | ... | ... |
| D | Stirling (Touch Res.) ... ... No. 3 | D. B. Marrs, Esq. ... ... | 8 | 1 0 | 759 | 49·1 | 51·67 | 223 | 178 |
| D | Stirling (Touch Res.) ... ... No. 2 | D. B. Marrs, Esq. ... ... | 8 | 1 0 | 707 | 47·9 | 49·20 | 223 | 175 |
| D | Stirling (Touch Res.) ... ... No. 1 | D. B. Marrs, Esq. ... ... | 8 | 1 0 | 455 | 47·6 | 52·93 | 223 | 179 |
| d | Polmaise Castle Gardens ... ... | Mr. J. McAndie ... ... | 5 | 1 1 | 220 | ... | 46·22 | ... | ... |
| D | Kippen (Gribloch Gdns.) ... ... | The Head Gardener ... | 5 | 1 0 | 530 | ... | 53·27 | 222 | 180 |
| D | STIRLING (Sauchie House) ... ... | The Town Council ... ... | 5 | 1 0 | 151 | 35·9 | 37·11 | 176 | 153 |
| D | Kippen (Arngomery) ... ... ... | Mr. W. Low ... ... | 5 | 4 6 | 150 | 46·5 | 49·77 | 220 | 172 |
| d | Meiklewood ... ... ... ... | Mr. D. Campbell ... ... | 5 | 1 0 | 35 | ... | 43·13 | ... | 167 |
| M | Duchray Valley (Ben Lomond) ... | S. D. Canvin, Esq., C.E. ... | 8 | 0 6 | 1500 | 89·2 | 90·45 | ... | ... |
| M | Duchray Valley (Glen Dhu) ... ... | S. D. Canvin, Esq., C.E. ... | 8 | 1 0 | 500 | 81·8 | 87·25 | ... | ... |
| M | Duchray Valley (Achaidh Burn) ... | S. D. Canvin, Esq., C.E. ... | 8 | 1 0 | 1200 | 94·4 | 91·95 | ... | ... |
| | Duchray Valley (Hd. of Main Stream) | S. D. Canvin, Esq., C.E. ... | 8 | 1 0 | 950 | 88·8 | 84·15 | ... | ... |
| | **2.—FORTH. Teith. 5 sq. mi.** | | | | | | | | |
| D | Stronachlachar (Invergyle) ... ... | S. D. Canvin, Esq., C.E. ... | 8 | 1 0 | 376 | 83·2 | 78·46 | 240 | 208 |
| | **3.—FORTH. Left Bank Tributaries. 15 sq. mi.** | | | | | | | | |
| D | Bridge of Allan (The Lea) ... ... | Mr. W. Watt ... ... | 5 | 0 8 | 100 | 35·4 | 39·66 | 216 | 171 |
| D | Bridge of Allan (Langlands) ... ... | W. H. Gillespie ... ... | 5 | 1 0 | 45 | ... | 38·12 | 207 | 159 |
| | **4.—CLYDE. Leven. 128 sq. mi.** | | | | | | | | |
| | Kilpatrick H. (Burncrooks Res.) ... | E. T. Collins, Esq. ... ... | 5 | 1 0 | 835 | 51·9 | 50·09 | ... | ... |
| D | Strathblane (Blanefield) ... ... | S. D. Canvin, Esq., C.E. ... | 8 | 1 0 | 250 | 50·6 | 56·00 | 205 | 181 |
| D | Killearn (The Oaks) ... ... ... | Jas. Shearer, Esq. ... ... | 5 | 1 6 | 250 | ... | 47·58 | 209 | 173 |
| D | Fintry (Police Station) ... ... | C. Mann, Esq. ... ... | 5 | 1 0 | 300 | ... | 60·68 | 223 | 170 |

## DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **STIRLING—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—CLYDE Leven—(*contd.*).** | | | | | | | | |
| | Drymen (Pk. of Drumquhassle) | ... Sir George A. Mitchell ... | 5 | 1 3 | 67 | ... | 47·35 | ... | ... |
| M | Loch Arklet (Corriehichon) ... | ... S. D. Canvin, Esq., C.E. ... | 8 | 0 6 | 870 | 82·6 | 83·60 | ... | ... |
| M | Loch Arklet (Corriearklet) ... | ... S. D. Canvin, Esq., C.E. ... | 8 | 0 6 | 950 | 85·2 | 83·30 | ... | ... |
| | **5.—CLYDE. Right Bank Tributaries. 52 sq. mi.** | | | | | | | | |
| D | Strathblane (Mugdock Res.) ... | ... S. D. Canvin, Esq., C.E. ... | 8 | 0 6 | 320 | 46·2 | 47·38 | 208 | 180 |
| D | Milngavie (Eastertoun) ... | ... Major R. M. Ker ... ... | 5 | 1 0 | 450 | 46·4 | 49·03 | 219 | 172 |
| D | Kilsyth (Innsbridge) ... ... | ... J. Milne, Esq. ... ... | 5 | 4 6 | 197 | 47·7 | 54·32 | 231 | 179 |
| D | Lennoxtown ... ... ... | ... W. R. Patterson, Esq. ... | 5 | 1 0 | 200 | ... | 54·62 | 223 | 180 |
| | **BUTE. (Area, 218 sq. mi.)** | | | | | | | | |
| | **1.—ISLE OF BUTE. 50 sq. mi.** | | | | | | | | |
| D | Rothesay (Dhu Loch W.W.) ... | ... A. Stephen, Esq. ... ... | 5 | 1 6 | 273 | ... | 46·08 | 221 | 176 |
| D | ROTHESAY (Ardencraig) ... | ... Mr. J. McPhail ... ... | 5 | 1 0 | 200 | 49·0 | 51·29 | 219 | 187 |
| | **2.—CUMBRAES. 4 sq. mi.** | | | | | | | | |
| D | Millport (St. Andrew's Home) | ... Dr. J. H. Paul ... ... | 5 | 0 9 | 10 | ... | 43·24 | 217 | 172 |
| D | Millport (Marine Biol. Stat.) ... | ... R. Elmhirst, Esq. ... ... | 5 | 1 0 | 16 | 40·1 | 40·34 | 221 | 163 |
| | Millport (Water Works) ... | ... J. Dymock, Esq. ... ... | 10 | 3 6 | 167 | ... | 39·60 | ... | ... |
| | **3.—ARRAN. 164 sq. mi.** | | | | | | | | |
| D | Dougarie Lodge ... ... | ... Mr. P. Helm ... ... | 5 | 1 2 | 50 | 46·0 | 46·63 | 197 | 188 |
| | **ARGYLL. (Area, 3,181 sq. mi.)** | | | | | | | | |
| | **1.—TAY. Tummel. 36 sq. mi.** | | | | | | | | |
| | **2.—SOUND OF ARISAIG, SOUND OF MULL & C. 317 sq. mi.** | | | | | | | | |
| D | Morvern (Drimnin) ... ... | ... Miss A. Horsman ... ... | 5 | 1 0 | 225 | 62·4 | 62·12 | 239 | 207 |
| D | Morvern (Drumbuie) ... ... | ... Mr. Murdo MacCuish ... | 5 | 1 0 | 85 | 71·3 | 67·52 | 232 | 216 |
| D | Loch Sunart (Glenborrodale) | ... P. M. Murray, Esq. ... | 5 | 1 0 | 50 | 69·0 | 66·07 | 261 | 208 |
| W | Loch Sunart (Carnlia, Salen) | ... Dr. D. Fergusson ... ... | 5 | 1 0 | 35 | 76·9 | 67·74 | ... | ... |
| D | Acharacle (Shielbridge) ... | ... J. A. T. Wright, Esq. ... | 8 | 3 0 | 51 | 67·2 | 60·58 | 231 | 202 |
| D | Loch Shiel (Polloch House) ... | ... Forestry Commission ... | 5 | 1 6 | 17 | 95·8 | 84·72 | 228 | 209 |
| | **3.—LOCH LINNHE. Right Bank Tributaries. 139 sq. mi.** | | | | | | | | |
| D | Morvern (Kingairloch)... ... | ... Mr. A. Cameron ... ... | 5 | 1 0 | 40 | *98·4* | 103·78 | 233 | 209 |
| | Corran Lighthouse ... ... | ... Com'rs. of N. Lighthouses | 5 | 1 0 | 13 | 81·0 | 74·90 | ... | 194 |
| D | Ardgour House ... ... | ... Mrs. Maclean of Ardgour | 5 | 0 10 | 60 | 97·6 | 91·10 | 248 | 212 |
| D | Conaglen ... ... ... | ... R. Gillies, Esq. ... ... | 5 | 0 4 | 50 | ... | 92·03 | 233 | 211 |
| | **4.—LOCH LINNHE. Left Bank Tributaries. 165 sq. mi.** | | | | | | | | |
| D | Connel (Ledaig) ... ... | ... Dr. J. A. Watson ... ... | 8 | 1 0 | 15 | ... | 58·00 | 233 | 191 |
| D | Barcaldine ... ... ... | ... Forestry Commission ... | 5 | 1 0 | 50 | 65·9 | 62·60 | 210 | 197 |
| D | Loch Creran (Rhu Garbh) ... | ... Miss Chisholm of Chisholm | 5 | 1 0 | 20 | ... | 62·14 | 236 | 191 |

## DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ARGYLL—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—LOCH LINNHE—Left Bank Tributaries—(*contd.*).** | | | | | | | | |
| D | Duror (Achadh Nan Sqiath) ... | ... G. H. Malcolm, Esq. ... | 5 | 1 0 | 40 | ... | 70·00 | 241 | 192 |
| | Glenduror Forest ... ... | ... Forestry Commission ... | 5 | 1 0 | 950 | ... | 114·20 | ... | ... |
| D | Glencoe Gardens ... ... | ... Mr. D. McDonald ... ... | 8 | 1 1 | 85 | ... | 94·36 | 225 | 204 |
| | Glenleven (Blackwater House) | No. 4 British Aluminium Co. Ltd. | 8 | 1 0 | 1069 | 80·8 | 84·29 | ... | ... |
| D | Glenleven (Blackwater Dam, S.) | (+A) British Aluminium Co. Ltd. | 8 | 1 0 | 1072 | 84·0 | 92·32 | 288 | 223 |
| D | Glenleven (Kinlochleven) ... | ... British Aluminium Co. Ltd. | 8 | 1 0 | 140 | 86·4 | 86·55 | 246 | 209 |
| | **5.—LOCH ETIVE. 197 sq. mi.** | | | | | | | | |
| | **6.—LOCH ETIVE. Loch Awe. 319 sq. mi.** | | | | | | | | |
| d | Lochavich (Drissaig) ... ... | ... R. F. Wright, Esq. ... ... | 5 | 1 0 | 320 | ... | 79·78 | ... | ... |
| d | Loch Awe (Inverinan) ... ... | ... R. J. G. Horne, Esq. ... | 5 | 1 0 | 150 | ... | 72·58 | ... | ... |
| | **7.—FIRTH OF LORNE. 112 sq. mi.** | | | | | | | | |
| d | Ardfern (Craignish Castle) ... | ... Mrs. Gascoigne ... ... | 5 | 1 0 | 60 | ... | 53·62 | ... | 193 |
| d | Kilmelfort (Arduaine) ... ... | ... Mrs. Campbell of Arduaine | 5 | 0 10 | 23 | 57·9 | 54·37 | 227 | 187 |
| D | Kilmelfort (Kilchoan) ... ... | ... Miss D. M. Henderson ... | 5 | 1 0 | 30 | 58·6 | 52·35 | 238 | 196 |
| | Kilninver ... ... ... | ... A. F. Nicol, Esq. ... ... | 5 | 1 5 | 30 | 58·7 | 57·58 | ... | ... |
| w | Oban (Gleann-a-Bhearraidh Res.) | ... Burgh Surveyor ... ... | 8 | 1 6 | 400 | *57·2* | 54·74 | ... | ... |
| d | OBAN ... ... ... ... | ... Burgh Surveyor ... ... | 8 | 1 1 | 229 | ... | 49·79 | (195) | (159) |
| | **8.—SOUND OF JURA. 163 sq. mi.** | | | | | | | | |
| D | Lochgilphead (Poltalloch) ... | ... Mr. A. S. Storrie ... ... | 5 | 1 3 | 120 | 52·7 | 50·57 | 221 | 190 |
| | **9.—KINTYRE, WEST. 146 sq. mi.** | | | | | | | | |
| D | Mull of Kintyre... ... ... | ... Com'rs. of N. Lighthouses | 5 | 1 0 | 270 | 40·9 | 35·60 | 200 | 169 |
| D | Largie Castle ... ... ... | ... Mrs. Moreton Macdonald... | 5 | 1 1 | 160 | 46·3 | 52·45 | 231 | 197 |
| D | Clachan (Balinakill) ... ... | ... W. Hampton, Esq. ... | 5 | 1 0 | 200 | ... | 47·50 | 223 | 180 |
| w | West Loch Tarbert (Dunmore) | ... Capt. J. V. Taylor ... ... | 5 | 1 8 | 100 | ... | 43·09 | ... | ... |
| | **10.—KINTYRE, EAST. 177 sq. mi.** | | | | | | | | |
| D | Campbeltown ... ... ... | ... D. M. Kellock, Esq., C.E.... | 5 | 1 0 | 20 | ... | 44·34 | 211 | 176 |
| D | Campbeltown (Drumore Park) | ... D. M. Kellock, Esq., C.E.... | 5 | 1 0 | 34 | ... | 43·77 | 211 | 179 |
| D | Carradale (Torrisdale Castle) ... | ... Mrs. J. Campbell ... ... | 5 | 1 0 | 84 | 65·5 | 60·58 | 216 | 187 |
| D | Carradale (Saddell Manse) ... | ... Rev. J. A. Argyll Baker ... | 5 | 1 6 | 25 | 62·6 | 58·33 | 231 | 190 |
| D | Monybacach (Skipness) ... | ... W. McLaren, Esq. ... ... | 5 | 1 1 | 80 | *48·8* | 50·88 | 203 | 174 |
| | **11.—LOCH FYNE. 264 sq. mi.** | | | | | | | | |
| D | Ardlamont (Kilbride) ... ... | ... J. W. Turnbull, Esq. ... | 5 | 1 0 | 110 | 46·5 | 49·47 | 208 | 173 |
| D | Ardrishaig (Stronachullin) ... | ... J. E. Scott, Esq. ... ... | 5 | 1 0 | 50 | ... | 71·88 | 209 | 193 |
| D | Ardrishaig (Canal Office) ... | ... M. S. Thompson, Esq. ... | 5 | 1 0 | 48 | 63·5 | 61·96 | 227 | 199 |
| d | Loch Fyne (Castle Lachlan) ... | ... The Maclachlan of Maclachlan ... ... ... | 5 | 1 6 | 25 | 64·8 | 73·25 | 232 | 209 |
| D | Crarae Lodge ... ... ... | ... Capt. G. I. Campbell ... | 5 | 1 0 | 20 | 70·2 | 70·90 | 223 | 199 |
| D | Inveraray Castle Gdns. ... | ... Mr. John McRobbie ... | 5 | 1 0 | 40 | 77·2 | 76·84 | 232 | 205 |

## DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ARGYLL—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **12.—FIRTH OF CLYDE AND COWAL. 242 sq. mi.** | | | | | | | | |
| D | Toward (Knockdow Gardens) | ... Sir Norman Lamont, Bart. | 5 | 1 6 | 101 | 56·8 | 54·17 | 242 | 197 |
| d | Toward (Inverchaolain) ... | ... Sir Norman Lamont, Bart. | 5 | 1 0 | 2 | 64·2 | 47·34 | 234 | 194 |
| D | DUNOON ... ... ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 132 | ... | 66·59 | 210 | 181 |
| D | DUNOON (BEN MORE Forest Sch.) | ... Forestry Commission ... | 5 | 1 0 | 46 | ... | 84·40 | 248 | 214 |
| D | Loch Eck (Ben More) ... ... | ... Mr. W. Yule ... ... | 5 | 1 3 | 40 | 86·6 | 86·90 | 230 | 206 |
| D | Strachur (GLENBRANTER) ... | ... Forestry Commission ... | 5 | 1 0 | 120 | 85·2 | 86·84 | 230 | 202 |
| d | Lochgoilhead (Nuthill)... ... | ... Mrs. Henderson ... ... | 5 | 1 0 | 15 | 74·5 | 83·04 | ... | 214 |
| D | Lochgoilhead (Ardgoil) ... | ... G. H. Garside, Esq., ... | 5 | 0 6 | 20 | 85·4 | 80·93 | 227 | 205 |
| | **13.—CLYDE. Leven. 4 sq. mi.** | | | | | | | | |
| d | Glencroe (Guithas Cottage) ... | ... J. M. Reid, Esq. ... ... | 5 | 1 2 | 120 | 96·9 | 91·65 | ... | ... |
| | **14.—INSULAR. 900 sq. mi.** | | | | | | | | |
| | Sanda Lighthouse ... ... | ... Com'rs. of N. Lighthouses | 5 | 2 9 | 134 | *36·8* | 30·72 | ... | 143 |
| | Islay (Rhinns) ... ... ... | ... Com'rs. of N. Lighthouses | 7 | 3 6 | 74 | ... | 33·79 | 186 | 161 |
| | Islay (Lochindaul) ... ... | ... Com'rs. of N. Lighthouses | 5 | 0 7 | 45 | 44·0 | 48·90 | 221 | 202 |
| | Islay (McArthur's Head) ... | ... Com'rs. of N. Lighthouses | 5 | 0 6 | 173 | 56·5 | 52·72 | ... | 156 |
| D | Islay (Eallabus) ... ... | ... J. H. Cranston, Esq. ... | 5 | 1 0 | 68 | 48·9 | 48·75 | 210 | 187 |
| | Islay (Rhuvaal) ... ... ... | ... Com'rs. of N. Lighthouses | 5 | 1 0 | 69 | 42·0 | 45·59 | ... | 211 |
| d | Jura (Ardfin) ... ... ... | ... W. Riley Smith, Esq. ... | 5 | 1 0 | 160 | *53·8* | 52·42 | (209) | (198) |
| D | Jura (Tarbert) ... ... ... | ... Lord Astor ... ... ... | 5 | 1 0 | 30 | 50·3 | 49·38 | 215 | 176 |
| D | Jura (Ardlussa) ... ... ... | ... A. H. Brown, Esq. ... ... | 5 | 0 9 | 100 | 50·1 | 51·44 | 227 | 186 |
| D | COLONSAY ... ... ... | ... Mr. M. McNeill for Lord Strathcona ... ... | 5 | 1 0 | 87 | 47·4 | 48·51 | 251 | 201 |
| | Fladda Lighthouse ... ... | ... Com'rs. of N. Lighthouses | 5 | 1 6 | 25 | ... | 32·52 | ... | 150 |
| d | Seil (An Cala) ... ... ... | ... Col. Hon. A. C. Murray, C.M.G., D.S.O. ... ... | 5 | 1 0 | 30 | 57·4 | 54·95 | 235 | 193 |
| | Lismore (Mousedale) ... ... | ... Com'rs. of N. Lighthouses | 7 | 3 10 | 38 | 43·7 | 39·07 | 183 | 153 |
| D | Mull (Bunessan) ... ... | ... D. Macdonald, Esq. ... | 5 | 1 0 | 50 | 51·6 | 47·20 | 207 | 150 |
| D | Mull (Auchnacraig) ... ... | ... G. W. Duncan, Esq. ... | 8 | 1 0 | 50 | ... | 69·44 | 192 | 174 |
| D | Mull (Ulva) ... ... ... | ... Hon. Mrs. Aldridge ... | 5 | 0 11 | 60 | 64·8 | 56·87 | 246 | 211 |
| D | Mull (Gruline) ... ... ... | ... A. Livingstone, Esq. ... | 8 | 1 0 | 100 | 79·0 | 80·42 | 232 | 201 |
| | Mull, Sound of ... ... ... | ... Com'rs. of N. Lighthouses | ... | ... ... | ... | 61·5 | 58·43 | 189 | 177 |
| D | TIREE ... ... ... ... | (+A) Meteorological Office ... | 8 | 1 0 | 44 | 44·7 | 44·13 | 238 | 187 |

## DIVISION XVI—EAST MIDLAND COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **CLACKMANNAN. (Area, 55 sq. mi.)** | | | | | | | | |
| | **1.—FORTH. LOWER. Left Bank Tributaries. 55 sq. mi.** | | | | | | | | |
| D | Alloa House Gardens ... ... | ... Earl of Mar & Kellie, K.T. | 5 | 3 0 | 50 | 33·2 | 41·25 | 216 | 169 |
| W | Alloa W.W. (Gartmorn Res.) | ... Robert Cairns, Esq., C.E. | 5 | 1 0 | 172 | 32·1 | 34·72 | ... | ... |
| d | Tillicoultry (Westbourne) ... | ... late Mrs. Willison ... ... | 5 | 1 0 | 66 | 34·5 | 38·04 | 202 | 166 |
| W | Menstrie (Lipney Filters) ... | ... Robert Cairns, Esq., C.E. | 5 | 1 0 | 328 | ... | 38·43 | ... | ... |
| M | Glendevon (Broich Burn) No. 2 | ... H. F. Hodge, Esq., C.E. ... | 8 | 1 0 | 1333 | 71·7 | 72·94 | ... | ... |
| M | Glendevon (Burnfoot Hill) No. 8 | ... H. F. Hodge, Esq., C.E. ... | 8 | 1 0 | 1721 | ... | 64·08 | ... | ... |
| M | Glendevon (Backhill) No. 9 ... | ... H. F. Hodge, Esq., C.E. ... | 8 | 1 0 | 1067 | 58·3 | 61·80 | ... | ... |
| D | Glendevon (Backhill) ... ... | ... H. F. Hodge, Esq., C.E. ... | 8 | 1 0 | 1067 | 59·9 | 63·84 | 207 | 189 |

## DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **KINROSS. (Area, 87 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—FORTH. LOWER. Left Bank Tributaries. 15 sq. mi.** | | | | | | | | |
| | **2.—LEVEN & C. 67 sq. mi.** | | | | | | | | |
| D | Loch Leven Sluice | Mr. J. Thompson | 5 | 1 0 | 360 | ... | 37·47 | 182 | 151 |
| D | Milnathort (Laurel Bank) | Capt. L. Kininmonth | 5 | 1 0 | 396 | 36·3 | 34·38 | 191 | 153 |
| D | Milnathort (Ledlanet) | Sir James C. Calder, K.B.E. | 5 | 1 3 | 700 | 47·1 | 44·37 | 201 | 180 |
| D | Milnathort (Ochil Hills San.) | Medical Superintendent | 5 | 1 0 | 800 | 47·3 | 46·06 | 215 | 179 |
| | **3.—EDEN. 2 sq. mi.** | | | | | | | | |
| | **4.—TAY. Earn. 3 sq. mi.** | | | | | | | | |
| | **FIFE. (Area, 505 sq. mi.)** | | | | | | | | |
| | **1.—FORTH. LOWER. Left Bank Tributaries. 68 sq. mi.** | | | | | | | | |
| D | DUNFERMLINE | Carnegie Dunfermline Trust | 5 | 1 0 | 237 | ... | 30·87 | 195 | 144 |
| d | Kincardine (Tulliallan) | A. M. Mitchell, Esq. | 5 | 1 0 | 90 | 33·8 | 34·28 | 179 | 154 |
| | Carnock (Craigluscar Res.) | D. H. Shaw, Esq., C.E. | 12 | 0 4 | 480 | 36·1 | 36·85 | ... | ... |
| | **2.—LEVEN & C. 208 sq. mi.** | | | | | | | | |
| D | DONIBRISTLE (R.N.A.S.) | Meteorological Office | 5 | 1 0 | 120 | ... | 25·16 | 177 | 129 |
| d | Burntisland (Cullaloe Res.) | G. H. Rodger, Esq. | 5 | 1 0 | 294 | ... | 26·85 | ... | 143 |
| d | KIRKCALDY (Victoria Hosp.) | Medical Officer of Health | 5 | 1 0 | 137 | 30·0 | 29·70 | 189 | 145 |
| D | Cowdenbeath (Sewage Works) | C. A. Alexander, Esq. | 5 | 1 0 | 390 | ... | 34·12 | 199 | 150 |
| | Cleish Hills (Craiggaveral) | C. A. Alexander, Esq. | 5 | 1 0 | 760 | 41·0 | 40·04 | ... | ... |
| | Cleish Hills (Roscobie Res.) | C. A. Alexander, Esq. | 5 | 1 0 | 660 | 39·6 | 39·09 | ... | ... |
| D | Kirkcaldy (Carberry) | R. Ritchie, Esq. | 5 | 1 0 | 326 | ... | 29·13 | 208 | 137 |
| d | Leslie (Lothrie Res.) | R. Ritchie, Esq. | 5 | 1 0 | 700 | ... | 38·47 | 187 | 151 |
| D | Leven (Silverburn) | Sir David Russell | 5 | 1 0 | 70 | ... | 28·76 | 190 | 132 |
| D | Markinch (Rothes) | Sir David Russell | 5 | 1 0 | 198 | ... | 32·19 | 207 | 149 |
| D | Markinch (Carriston Reservoir) | Water Superintendent | 5 | 0 9 | 293 | ... | 36·91 | 227 | 157 |
| D | Markinch (Coul Reservoir) | Water Superintendent | 5 | 0 9 | 438 | ... | 38·23 | 202 | 157 |
| D | Colinsburgh (Cairnie House) | Mr. H. Macintosh | 5 | 3 6 | 125 | 28·8 | 28·28 | 197 | 132 |
| D | Colinsburgh (Balcarres) | W. H. Adams, Esq. | 5 | 1 0 | 300 | ... | 30·81 | 210 | 146 |
| D | Arncroach (Dreel House) | J. O. Duncan, Esq. | 5 | 1 0 | 250 | ... | 28·32 | 188 | 136 |
| D | Carnbee (Ovenstone W.W.) | Mr. W. Donaldson | 5 | 1 0 | 168 | 25·8 | 28·72 | 185 | 147 |
| | **3.—EDEN & C. 205 sq. mi.** | | | | | | | | |
| D | Cupar (Clatto Reservoir) | R. W. Morrison, Esq. | 5 | 1 0 | 505 | 30·1 | 36·08 | 209 | 144 |
| D | Cameron Waterworks | Burgh Surveyor | 5 | 1 0 | 478 | 29·9 | 35·27 | 199 | 155 |
| D | Cupar (Pitlair) | Mr. P. Webster | 5 | 1 0 | 126 | 29·5 | 32·04 | 188 | 147 |
| d | Cupar (Rankeillour) | Mr. R. Meldrum | 5 | 1 0 | 240 | 28·7 | 30·99 | 161 | 140 |
| D | Cupar (Fife District Asylum) | Medical Superintendent | 5 | 1 0 | 210 | 27·7 | 32·45 | 190 | 143 |
| D | Kingsbarns | J. N. Dickie, Esq. | 5 | 1 0 | 70 | ... | 28·22 | 182 | 138 |
| D | Cupar (Over Rankeillour) | H. Giles Walker, Esq. | 5 | 1 0 | 200 | 28·7 | 30·93 | 184 | 140 |
| D | Cupar (Beet Sugar Factory) | British Sugar Corpn. Ltd. | 5 | 1 0 | 82 | ... | 29·82 | 170 | 129 |
| D | St. Andrews (Waterworks) | Burgh Surveyor | 5 | 1 0 | 217 | 27·3 | 29·55 | 195 | 137 |
| D | ST. ANDREWS | Burgh Surveyor | 5 | 1 0 | 13 | 27·1 | 27·52 | 153 | 132 |
| D | LEUCHARS (Airfield) | (+A) Meteorological Office | 8 | 1 0 | 36 | 25·7 | 24·99 | 171 | 130 |

## DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **FIFE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—FIRTH OF TAY. 25 sq. mi.** | | | | | | | | |
| D | Newport (Tayfield) | W. Berry, Esq. | 5 | 0 7 | 100 | 28·3 | 32·09 | 182 | 159 |
| D | Tayport (L. Ho.) | Dundee Harbour Trust | 5 | 1 0 | 27 | 26·3 | 28·74 | 195 | 132 |
| | **5.—TAY. Earn. 1 sq. mi.** | | | | | | | | |
| | **6.—INSULAR.** | | | | | | | | |
| | Isle of May | Com'rs. of N. Lighthouses | 5 | 4 0 | 180 | ... | 27·35 | ... | 114 |
| | **PERTH. (Area, 2,535 sq. mi.)** | | | | | | | | |
| | **1.—FORTH. Right Bank Tributaries. 17 sq. mi.** | | | | | | | | |
| D | Gartmore House Gardens | Mr. H. B. Matheson | 5 | 1 0 | 160 | *56·0* | 59·32 | 238 | 179 |
| d | Loch Dhu | S. D. Canvin, Esq., C.E. | 8 | 0 6 | 325 | 79·8 | 79·41 | 234 | 188 |
| | **2.—FORTH. UPPER. Left Bank Tributaries. 84 sq. mi.** | | | | | | | | |
| D | Loch Ard (Couligarton) | Major R. S. Cunninghame | 5 | 0 10 | 200 | ... | 75·36 | 235 | 193 |
| | **3.—FORTH. Teith. 221 sq. mi.** | | | | | | | | |
| | Ochtertyre (Stirling) | Lt.-Col. J. C. Dundas, D.S.O. | 5 | 1 0 | 14 | ... | 40·34 | ... | ... |
| | Loch Drunkie | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 420 | 62·4 | 68·90 | ... | ... |
| D | Invertrossachs | Sir James R. Wilson, Bt. | 5 | 1 0 | 380 | 59·8 | 67·50 | 214 | 181 |
| | Ben Venue (Glasahoile) | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 1150 | 79·4 | 80·40 | ... | ... |
| D | Loch Vennachar | S. D. Canvin, Esq., C.E. | 5 | 1 0 | 273 | 55·3 | 60·53 | 225 | 195 |
| D | Bridge of Turk | S. D. Canvin, Esq., C.E. | 5 | 1 0 | 275 | 63·7 | 67·11 | 223 | 177 |
| | Loch Katrine (Tunnel Hill Top) | S. D. Canvin, Esq., C.E. | 8 | 0 6 | 830 | 79·0 | 83·80 | ... | ... |
| | Ben Ledi | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 1400 | 67·0 | 66·95 | ... | ... |
| | Achnahard | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 474 | 65·5 | (70·70) | ... | ... |
| | Callander (Leny House) | Capt. M. Murray Buchanan | 5 | 1 0 | 340 | 56·9 | 56·75 | ... | ... |
| w | Strone Bridge | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 380 | 71·7 | 71·80 | ... | ... |
| | Glen Meann | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 800 | 76·5 | 77·80 | ... | ... |
| | Glen Finlas | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 1200 | 78·3 | 75·85 | ... | ... |
| d | Glengyle | S. D. Canvin, Esq., C.E. | 8 | 0 6 | 380 | 89·9 | 87·65 | 207 | 205 |
| | Upper Glengyle | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 750 | 94·7 | 90·40 | ... | ... |
| | Allt a' Choin | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 1250 | 88·2 | 88·65 | ... | ... |
| d | Strathyre | Forestry Commission | 5 | 1 0 | 425 | ... | 79·95 | 205 | 178 |
| w | Balquhidder (Blaircreach) | J. M. Fergusson, Esq. | 5 | 1 0 | 460 | 92·7 | 96·95 | ... | ... |
| d | Balquhidder (Stronvar) | A. McSporran, Esq. | 5 | 1 0 | 422 | 74·2 | 66·08 | 224 | 188 |
| | **4.—FORTH. LOWER. Left Bank Tributaries. 107 sq. mi.** | | | | | | | | |
| D | Dunblane | J. W. Kirkland, Esq. | 5 | 8 0 | 185 | 40·0 | 40·53 | 182 | 142 |
| D | Dunblane (Lynedoch) | E. J. Balfour, Esq. | 5 | 1 0 | 265 | ... | 41·88 | 223 | 167 |
| | Dunblane (Glen Road) | A. E. Martin, Esq. | 5 | 1 0 | 272 | ... | 41·30 | ... | ... |
| D | Glendevon (Glenquey Res.) | No. 2 H. F. Hodge, Esq., C.E. | 8 | 1 0 | 942 | 58·0 | 59·20 | 217 | 180 |
| D | Glendevon (Frandy) | H. F. Hodge, Esq., C.E. | 8 | 1 0 | 911 | 61·6 | 64·14 | 210 | 182 |
| | Glendevon (Glensherup) | D. H. Shaw, Esq., C.E. | 12 | 0 4 | 945 | 59·0 | 59·42 | ... | ... |
| M | Glendevon (Bald Hill) | No. 1 H. F. Hodge, Esq., C.E. | 8 | 1 0 | 1202 | 58·0 | 62·48 | ... | ... |
| M | Glendevon (Wether Hill) | No. 10 H. F. Hodge, Esq., C.E. | 8 | 1 0 | 1408 | ... | 60·05 | ... | ... |
| | **5.—LEVEN. 1 sq. mi.** | | | | | | | | |

## DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **PERTH—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **6.—EDEN. 4 sq. mi.** | | | | | | | | |
| | **7.—TAY. Earn. 376 sq. mi.** | | | | | | | | |
| D | Gleneagles House | Mrs. Grace Todd | 5 | 1 0 | 400 | ... | 48·22 | 221 | 168 |
| | Upper Farg (Plains) | H. F. Hodge, Esq., C.E. | 8 | 1 0 | 900 | ... | 40·52 | ... | ... |
| D | Upper Farg (Main Bank) | H. F. Hodge, Esq., C.E. | 8 | 1 0 | 632 | ... | 38·89 | 226 | 164 |
| D | Dunning (Kippen House) | Lady Wilson | 5 | 1 0 | 450 | 44·6 | 46·89 | 202 | 153 |
| w | Auchterarder (Aberuthven) | J. W. Allardyce, Esq. | 6 | 1 6 | 100 | ... | 32·62 | ... | ... |
| w | Bridge of Earn (Ramsheugh) | Mr. J. Morrison | 5 | 1 2 | 310 | ... | (38·40) | ... | ... |
| D | Bridge of Earn (Ballendrick) | G. M. Taylor, Esq. | 5 | 1 0 | 50 | 31·5 | 33·13 | 197 | 155 |
| D | Lochearnhead (Ardloch) | S. Moir, Esq. | 5 | 1 0 | 370 | 62·1 | 61·57 | 255 | 191 |
| D | Lochearnhead (Ardvorlich) | J. Stewart, Esq. | 5 | 1 0 | 350 | ... | 63·93 | 206 | 184 |
| D | Lochearnhead (Edinchip) | Sir Malcolm MacGregor, Bt. | 5 | 1 0 | 513 | 69·0 | 65·62 | 192 | 171 |
| d | Comrie (Dunira Gardens) | W. Gilchrist Macbeth, Esq. | 5 | 1 8 | 200 | ... | 54·47 | ... | 162 |
| D | Crieff (Strathearn Hydro) | Manager | 5 | 1 0 | 478 | 40·9 | 42·74 | 210 | 161 |
| | **8.—TAY. Almond & c. 149 sq. mi.** | | | | | | | | |
| D | Perth (Craigie Haugh) | J. Penman, Esq. | 5 | 4 2 | 14 | ... | 29·07 | 184 | 136 |
| D | Perth (Wellshill Cemetery) | Town Council (J. Wood) | 5 | 1 0 | 77 | 30·8 | 30·39 | 188 | 137 |
| w | Methven Waterworks | I. A. Moodie, Esq., A.R.I.B.A. | 8 | 1 0 | 450 | ... | 36·30 | ... | ... |
| | **9.—TAY. Strathtay below Dunkeld. 33 sq. mi.** | | | | | | | | |
| d | Dunkeld (Snaigow) | Late W. H. Cox, Esq. | 5 | 1 0 | 370 | 34·7 | (36·72) | (175) | (146) |
| | **10.—TAY. 81 sq. mi.** | | | | | | | | |
| D | Strath Bran (Glenquaich Lodge) | H. K. Cox, Esq. | 5 | 1 0 | 900 | 54·1 | 54·83 | 221 | 174 |
| D | Strath Bran (Garrows) | K. O. Hunter, Esq. | 5 | 0 9 | 980 | ... | 49·35 | 220 | 172 |
| | **11.—TAY. Strathtay above Dunkeld. 95 sq. mi.** | | | | | | | | |
| D | Aberfeldy (Dall Avon) | Dr. N. D. Mackay | 5 | 1 0 | 320 | 37·4 | 37·80 | 208 | 150 |
| D | Aberfeldy (Grandtully Cas. Gdns.) | Mr. R. Johnstone | 5 | 0 11 | 383 | 37·0 | 38·52 | 213 | 157 |
| | **12.—TAY. Loch Tay. 241 sq. mi.** | | | | | | | | |
| d | Tyndrum (Strathfillan Manse) | Rev. Christopher MacKinnon | 5 | 1 0 | 700 | ... | 81·67 | 199 | 174 |
| D | Killin (Kinnell Gardens) | Mr. A. McCormick | 5 | 1 0 | 380 | 58·2 | 56·32 | 219 | 171 |
| D | Loch Tay (Ardeonaig) | Rev. G. E. Campbell | 5 | 1 0 | 450 | ... | 54·10 | 212 | 198 |
| D | Kenmore (Dalerb) | W. L. Ross, Esq. | 5 | 1 1 | 390 | ... | 42·04 | 205 | 160 |
| | **13.—TAY. Lyon. 142 sq. mi.** | | | | | | | | |
| D | Glenlyon (Meggernie Castle) | Sir E. S. Wills, Bt. | 5 | 1 0 | 700 | 61·5 | 61·48 | 245 | 193 |
| w | Fortingall (Glenlyon House) | Mr. J. W. Ford | 5 | 1 0 | 425 | 44·7 | 45·81 | ... | ... |
| | **14.—TAY. Tummel. 587 sq. mi.** | | | | | | | | |
| D | Loch Rannoch (Dall) | Mr. D. Robertson, Jun. | 5 | 1 0 | 722 | 43·2 | 44·31 | 196 | 173 |
| D | Loch Rannoch (Station) | Grampian Elec. Supply Co. | 5 | 1 0 | 1007 | 60·4 | 61·15 | 238 | 193 |
| D | Loch Rannoch (Power House) | Grampian Elec. Supply Co. | 5 | 1 0 | 675 | 43·4 | 42·80 | 218 | 174 |
| D | Foss (Domnaheich) | N. of S. Hydro Electric Bd. | 5 | 1 0 | 640 | ... | 40·65 | 195 | 151 |
| D | Loch Tummel (Power House) | Grampian Elec. Supply Co. | 5 | 1 0 | 500 | ... | 37·38 | 201 | 147 |
| d | Loch Tummel (Strathtummel P.O.) | N. of S. Hydro Electric Bd. | 5 | 1 0 | 660 | ... | 37·52 | ... | 155 |

## DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **PERTH—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **14.—TAY. Tummel—(*contd.*).** | | | | | | | | |
| d | Loch Tummel (Grenich) | N. of S. Hydro Electric Bd. | 5 | 0 11 | 1000 | ... | 33·24 | 172 | 131 |
| d | Loch Tummel (Over Bohespic) | N. of S. Hydro Electric Bd. | 5 | 1 0 | 1000 | ... | 35·31 | 203 | 148 |
| D | Pitlochry (Bonskeid) | Hon. Mrs. G. F. Barbour | 5 | 1 0 | 540 | 33·0 | 35·50 | 181 | 140 |
| M | Pitlochry (Allt Girnaig) | Mr. J. Rattray | 5 | 1 0 | 850 | ... | 38·50 | ... | ... |
| D | Fincastle House | Hon. Mrs. G. F. Barbour | 5 | 1 0 | 980 | 33·9 | 36·08 | 209 | 156 |
| D | Ericht Dam | Grampian Elec. Supply Co. | 5 | 1 0 | 1196 | 54·1 | 54·09 | 238 | 190 |
| D | Struan (Auchleeks) | Miss Robertson | 5 | 1 0 | 710 | 45·5 | 44·92 | 199 | 172 |
| D | Blair Atholl (Blair Castle Gdns.) | Mr. R. D. Allan | 5 | 1 0 | 500 | 33·6 | 33·82 | 214 | 155 |
| d | Edendon Bridge | N. of S. Hydro Electric Bd. | 5 | 1 0 | 1029 | ... | 44·33 | ... | 144 |
| W | Dalnaspidal (Luidhearnaidh) | Grampian Elec. Supply Co. | 5 | 1 4 | 1710 | 63·4 | 62·00 | ... | ... |
| D | Glen Tilt (Clachglas) | N. of S. Hydro Electric Bd. | 5 | 1 0 | 1000 | ... | 41·07 | 184 | 148 |
| D | Glen Bruar (Bruar Lodge) No. 1 | N. of S. Hydro Electric Bd. | 5 | 1 0 | 1500 | 44·9 | 41·94 | 222 | 170 |
| | Edendon (Sronphadruig Lodge) | Grampian Elec. Supply Co. | 5 | 1 0 | 1630 | ... | 53·85 | ... | ... |
| | **15.—TAY. Isla. 282 sq. mi.** | ... | | | | | | | |
| D | Blairgowrie (Perth Rd.) | Wm. D. M. Falconer, Esq. | 5 | 1 6 | 262 | ... | 33·62 | 146 | 130 |
| D | Dunkeld (Cardney) | A. R. Macgregor, Esq. | 5 | 1 0 | 350 | 37·4 | 38·70 | 176 | 149 |
| D | Dunkeld (Riechip Lodge) | R. J. Crammond, Esq. | 5 | 1 0 | 1000 | ... | 37·40 | 164 | 139 |
| | Loch Benachally | A. W. Kidd, Esq. | 8 | 1 0 | 1007 | 40·4 | 39·54 | ... | ... |
| D | Kirkmichael (Ballintuim Ho.) | Miss Louisa Macdonald | 5 | 1 4 | 700 | 40·3 | 40·24 | 214 | 161 |
| | **16.—TAY. Left Bank Tributaries. 51 sq. mi.** | | | | | | | | |
| | **17.—FIRTH OF TAY. 45 sq. mi.** | | | | | | | | |
| W | Errol (Taybank) | I. A. Moodie, Esq., A.R.I.B.A. | 5 | 0 6 | 120 | ... | 29·96 | ... | ... |
| | Errol (Fingask) | I. A. Moodie, Esq., A.R.I.B.A. | 5 | 0 6 | 362 | ... | 32·11 | ... | ... |
| D | LONGFORGAN (Woodlands) | Dr. J. H. Brush | 5 | 1 0 | 166 | 26·6 | 28·58 | 198 | 132 |
| | **18.—SPEY. Right Bank Tributaries. 1 sq. mi.** | | | | | | | | |
| | **19.—LOCH LINNHE. Left Bank Tributaries. 2 sq. mi.** | | | | | | | | |
| | **20.—CLYDE. Leven. 36 sq. mi.** | | | | | | | | |
| | **ANGUS. (Area, 875 sq. mi.)** | | | | | | | | |
| | **1.—TAY. Isla. 211 sq. mi.** | | | | | | | | |
| d | Newtyle | C. W. Wheeler, Esq. | 5 | 1 0 | 295 | ... | 34·96 | 188 | 137 |
| d | Glamis Castle | Mr. D. McInnes | 5 | 0 7 | 250 | 30·9 | 37·73 | ... | 139 |
| D | Forfar (Yeaman Street) | W. P. Welsh, Esq. | 5 | 1 6 | 226 | ... | 37·23 | 209 | 150 |
| D | Kirriemuir (Lintrathen) | (+A) R. H. Cuthbertson, Esq., C.E. | 8 | 1 0 | 700 | 34·7 | 36·93 | 203 | 149 |
| M | Kirriemuir (Balnakeilly) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 700 | 34·1 | 39·70 | ... | ... |
| M | Kirriemuir (Dykends) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 750 | 36·4 | 41·71 | ... | ... |
| M | Kirriemuir (Creich Hill N.) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 1491 | 40·5 | 46·63 | ... | ... |
| M | Kirriemuir (Backwater) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 850 | 39·7 | 47·25 | ... | ... |
| M | Kirriemuir (Westerton) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 900 | 40·5 | 51·21 | ... | ... |
| M | Kirriemuir (Macritch) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 1300 | 38·7 | 49·83 | ... | ... |
| M | Kirriemuir (Newton) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 735 | 37·4 | 44·10 | ... | ... |
| M | Kirriemuir (Longdrum) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 1045 | 39·3 | 50·94 | ... | ... |
| M | Kirriemuir (Glendye) | R. H. Cuthbertson, Esq., C.E. | 6 | 1 0 | 1050 | 44·9 | 55·76 | ... | ... |
| M | Kirriemuir (Barney) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 1170 | 40·2 | 49·02 | ... | ... |

## DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ANGUS—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **1.—TAY. Isla—(*contd.*).** | | | | | | | | |
| M | Kirriemuir (Glenhead) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 1260 | 43·1 | 52·40 | ... | ... |
| M | Kirriemuir (Dalvanie) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 1020 | 42·7 | 46·80 | ... | ... |
| M | Kirriemuir (Glen Damff) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 1360 | 43·7 | 50·55 | ... | ... |
| | **2.—FIRTH OF TAY. 80 sq. mi.** | | | | | | | | |
| D | CARNOUSTIE (BUDDON NESS LT.) | Dundee Harbour Trust | 5 | 0 4 | 15 | 26·4 | 27·81 | 187 | 130 |
| D | Dundee Harbour | Dundee Harbour Trust | 5 | 0 11 | 14 | 27·4 | 26·64 | 169 | 126 |
| D | Dundee (Stobsmuir Res.) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 278 | ... | 29·62 | 184 | 137 |
| d | Dundee (Camperdown Works) | Messrs. Cox Bros. Ltd. | 5 | 1 0 | 300 | 26·8 | 31·23 | 201 | 133 |
| D | Balruddery | H. S. Sharp, Esq. | 5 | 1 0 | 266 | 29·8 | 32·44 | 153 | 136 |
| D | DUNDEE (Mayfield) | Director of Studies | 8 | 1 0 | 147 | 26·2 | 33·22 | 182 | 139 |
| d | Broughty Ferry | Miss H. M. Low | 5 | 1 0 | 50 | ... | 28·75 | ... | ... |
| D | Dundee (Clatto Reservoir) | R. H. Cuthbertson, Esq., C.E. | 8 | 1 2 | 498 | ... | 34·35 | 216 | 141 |
| | **3.—SOUTH ESK & C. 371 sq. mi.** | | | | | | | | |
| D | Monikie Reservoir | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 494 | 34·7 | 36·03 | 207 | 152 |
| D | Monikie (Crombie Reservoir) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 528 | 35·2 | 37·54 | 198 | 143 |
| M | Monikie (Fallaws) | R. H. Cuthbertson, Esq., C.E. | 8 | 3 0 | 585 | 33·2 | 37·18 | ... | ... |
| d | ARBROATH (W. Cemetery) | Town Council (S. J. W. Robertson) | 5 | 1 0 | 93 | 25·6 | 28·03 | 170 | 127 |
| w | Arbroath (Muirheads Res.) | Burgh Engineer | 5 | 1 0 | 251 | 28·1 | 32·99 | ... | ... |
| D | Forfar (Pitscandly House) | Mrs. Ewen | 5 | 1 8 | 300 | ... | 35·13 | 168 | 130 |
| D | MONTROSE | Burgh Surveyor | 5 | 1 0 | 16 | ... | 28·43 | 172 | 125 |
| D | Montrose (West End Park) | Burgh Surveyor | 5 | 1 0 | 19 | ... | 30·30 | 175 | 131 |
| D | Tannadice (Easter Ogil) | F. B. Hopkins, Esq. | 5 | 1 0 | 520 | ... | 43·90 | 199 | 149 |
| D | Forfar W.W. (Den of Ogil) | Alex. C. Millar, Esq. | 12×4 | 3 1 | 633 | 39·4 | 50·59 | 216 | 161 |
| d | Glenogil Water Works | J. B. Scott, Esq. | 5 | 1 0 | 690 | ... | 47·53 | ... | 143 |
| D | Glen Prosen (Pearsie House) | G. M. Wedderburn, Esq. | 5 | 1 0 | 600 | 39·1 | 37·27 | 182 | 136 |
| M | Glen Prosen (Cormuir) | R. H. Cuthbertson, Esq., C.E. | 5 | 1 0 | 870 | 53·1 | 51·40 | ... | ... |
| | **4.—NORTH ESK & C. 213 sq. mi.** | | | | | | | | |
| D | MONTROSE (Sunnyside Asylum) | Medical Superintendent | 5 | 0 10 | 200 | 27·0 | 29·40 | 173 | 132 |
| D | Brechin (Stracathro Hospital) | Medical Superintendent | 5 | 1 0 | 120 | ... | 37·02 | 189 | 136 |

## DIVISION XVII—NORTH-EASTERN COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **KINCARDINE. (Area, 382 sq. mi.)** | | | | | | | | |
| | **1.—NORTH ESK & C. 99 sq. mi.** | | | | | | | | |
| D | Laurencekirk (Johnston Lodge) | Mr. C. Smith | 5 | 1 0 | 400 | 33·1 | 35·03 | 191 | 165 |
| D | Fettercairn (Fasque) | A. C. Gladstone, Esq. | 5 | 0 10 | 320 | 36·0 | 38·27 | 221 | 150 |
| d | Fordoun (Auchenblae) | G.W.McConachie,Esq,.M.A. | 5 | 1 0 | 362 | 33·2 | 39·97 | ... | 130 |
| | **2.—BERVIE, COWIE & C. 139 sq. mi.** | | | | | | | | |
| | Todhead Point Lighthouse | Com'rs. of N. Lighthouses | 5 | 1 9 | 114 | ... | 27·16 | 185 | 135 |
| D | STONEHAVEN | Town Council | 5 | 1 0 | 125 | 27·4 | 34·09 | 210 | 138 |
| | Girdleness Lighthouse | Com'rs. of N. Lighthouses | 7 | 4 0 | 89 | ... | 29·61 | 151 | 123 |

## DIVISION XVII—NORTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **KINCARDINE—(*contd.*).** | | | *in.* | *ft* | *ft.* | *in.* | *in.* | | |
| | **3.—DEE. 144 sq. mi.** | | | | | | | | | |
| D | Strachan (Bridge of Dye) | | A. C. Gladstone, Esq. | 5 | 1 | 513 | 43·9 | 52·76 | 204 | 155 |
| D | Banchory (Invery) | | Major Jas. Kerr | 5 | 1 | 225 | 34·8 | 39·44 | 194 | 146 |
| D | Banchory (Woodlands School) | | D. B. McKelvie, Esq. | 5 | 1 | 300 | 32·8 | 35·93 | 172 | 130 |
| D | Banchory (Invercannie) | | T. F. Henderson, Esq., C.E. | 5 | 0 | 208 | 31·9 | 36·21 | 203 | 144 |
| | **ABERDEEN. (Area, 1,974 sq. mi.)** | | | | | | | | | |
| | **1.—DEE. 672 sq. mi.** | | | | | | | | | |
| M | Glen Muick | | T. F. Henderson, Esq., C.E. | 5 | 1 | 1370 | 45·1 | 49·06 | ... | ... |
| M | Glen Muick (Ichnabobart) | | T. F. Henderson, Esq., C.E. | 5 | 1 | 1270 | 41·9 | 48·16 | ... | ... |
| D | BRAEMAR (Bank) | | R. A. Lees, Esq. | 5 | 1 | 1111 | 35·4 | 37·63 | 193 | 147 |
| D | Braemar (Derry Lo.) | | T. F. Henderson, Esq., C.E. | 5 | 1 | 1400 | 38·1 | 41·06 | 200 | 179 |
| D | Glen Tanar (Mansion House) | | Lord Glentanar | 5 | 1 | 553 | ... | 45·03 | 203 | 142 |
| D | BALMORAL Castle Gardens | (+A) | Mr. Alex. Stuart | 5 | 1 | 927 | 33·0 | 34·55 | 197 | 129 |
| D | Ballater (Irrigation Farm) | | T. F. Henderson, Esq., C.E. | 5 | 1 | 637 | 33·2 | 36·58 | 166 | 130 |
| M | Beinn Bhreac | | T. F. Henderson, Esq., C.E. | 5 | 1 | 2700 | 47·1 | 48·48 | ... | ... |
| D | Aboyne (Irrigation Farm) | | T. F. Henderson, Esq., C.E. | 5 | 1 | 380 | 31·9 | 32·52 | 179 | 126 |
| d | Dess House | | Miss A. M. Davidson, | 5 | 1 | 480 | 31·2 | 36·02 | 176 | 147 |
| D | Glen Cairn (Cairn Shiel Lodge) | | T. F. Henderson, Esq., C.E. | 5 | 1 | 1100 | 34·4 | 38·17 | 232 | 156 |
| d | Glen Cairn (Corndavon) | | T. F. Henderson, Esq., C.E. | 5 | 1 | 1500 | ... | 38·08 | ... | ... |
| M | Lumphanan | | T. F. Henderson, Esq., C.E. | 5 | 1 | 490 | 31·6 | 33·81 | ... | ... |
| D | Drumoak (Drum Castle) | | H. Q. Forbes Irvine, Esq. | 5 | 1 | 320 | 30·9 | 36·04 | 204 | 131 |
| D | LOGIE COLDSTONE SCHOOL | | Jas. R. Ferguson, Esq., M.A. | 5 | 1 | 608 | 30·9 | 31·78 | 179 | 131 |
| w | Tarland (Melgum) | | J. A. Ross, Esq. | 8 | 1 | 675 | ... | 31·73 | ... | ... |
| D | Aberdeen (Mannofield Res.) | | T. F. Henderson, Esq., C.E. | 5 | 1 | 171 | 30·5 | 34·96 | 228 | 143 |
| D | Craigiebuckler | | Macaulay Inst. for Soil Research | 5 | 1 | 220 | ... | 36·77 | 191 | 148 |
| | **2.—DON. 512 sq. mi.** | | | | | | | | | |
| D | ABERDEEN Observatory | (+A) | Meteorological Office | 8 | 1 | 79 | 29·5 | 29·75 | 185 | 135 |
| D | Strathdon (Tornashean) | | Mr. G. J. F. Crawford | 5 | 1 | 1020 | ... | 37·00 | 194 | 136 |
| D | Craibstone (Sth. Meethill Field) | | Macaulay Inst. for Soil Research | 5 | 1 | 275 | 33·6 | 35·27 | 198 | 142 |
| D | Dyce (CRAIBSTONE) | (+A) | College of Agriculture | 8 | 1 | 300 | 31·5 | 34·64 | 200 | 140 |
| D | DYCE (Airfield) | | Meteorological Office | 5 | 1 | 241 | ... | 34·89 | 185 | 133 |
| D | Alford (Littlewood Park) | | Sir Alan McLean | 5 | 1 | 750 | ... | 40·47 | 200 | 141 |
| | **3.—YTHAN & C. 285 sq. mi.** | | | | | | | | | |
| D | Ellon (Esslemont House) | | Mrs. Wolrige Gordon | 5 | 1 | 6 | 90 | ... | 35·60 | 217 | 155 |
| D | Ellon (Auchmacoy) | | Earl of Caithness | 5 | 1 | 0 | 150 | 27·2 | 36·58 | 218 | 176 |
| D | Haddo House | | Major D. Gordon | 5 | 1 | 0 | 186 | 31·5 | 33·75 | 197 | 141 |
| D | Fyvie Castle | | Col.Sir C.R.Forbes-Leith,Bt. | 5 | 1 | 0 | 200 | 33·9 | 33·44 | 192 | 144 |
| | **4.—UGIE & C. 257 sq. mi.** | | | | | | | | | |
| D | Peterhead (Forehill Works) | | J. Coull, Esq., C.E. | 5 | 0 | 8 | 133 | 30·3 | 26·74 | 168 | 119 |
| D | Peterhead (Mains of Buthlaw) | | W. Johnston, Esq. | 5 | 1 | 6 | 120 | 30·3 | 29·89 | 188 | 132 |
| D | Fedderate Reservoir | | G. S. Stewart, Esq. | 5 | 0 | 9 | 410 | ... | 32·72 | 215 | 148 |
| | Kinnaird Head | | Com'rs. of N. Lighthouses | 5 | 1 | 0 | 62 | 26·2 | 26·64 | ... | 128 |
| | **5.—DEVERON & C. 248 sq. mi.** | | | | | | | | | |

## DIVISION XVII—NORTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **BANFF. (Area, 630 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—YTHAN. 1 sq. mi.** | | | | | | | | |
| | **2.—DEVERON & C. 344 sq. mi.** | | | | | | | | |
| D | Cabrach Manse | County Road Surveyor | 5 | 1 0 | 1025 | ... | 47·79 | 210 | 153 |
| D | Drummuir Castle | H. G. Brown, Esq. | 5 | 1 10 | 620 | 36·4 | 38·44 | 214 | 151 |
| d | Milltown (Rothiemay Castle) | Col. Ian Forbes, D.S.O. | 5 | 0 8 | 290 | 33·6 | 33·45 | ... | 135 |
| D | Easterfield School | T. H. Smith, Esq. | 5 | 1 0 | 450 | ... | 29·92 | 168 | 120 |
| d | Keith Station | Mr. W. Barclay | 5 | 1 0 | 356 | 33·8 | 35·58 | 191 | 146 |
| D | Turiff (Forglen Gardens) | Mr. S. Henderson | 5 | 1 0 | 220 | 31·9 | 28·53 | 203 | 136 |
| D | BANFF | Town Council (I. H. Gordon) | 5 | 0 9 | 130 | 26·8 | 25·56 | 190 | 140 |
| D | Cullen House Gardens | C. A. Ritchie, Esq. | 5 | 1 2 | 150 | 30·6 | 25·75 | 207 | 137 |
| | **3.—SPEY. Right Bank Tributaries. 285 sq. mi.** | | | | | | | | |
| D | Tomintoul (Delnabo) | Commander Howard | 5 | 1 0 | 1050 | ... | 36·20 | 198 | 153 |
| D | Ballindalloch | C. Mackenzie, Esq. | 8 | 1 0 | 630 | 33·0 | 34·06 | 217 | 178 |
| | **MORAY. (Area, 477 sq. mi.)** | | | | | | | | |
| | **1.—DEVERON & C. 7 sq. mi.** | | | | | | | | |
| | **2.—SPEY. Right Bank Tributaries. 35 sq. mi.** | | | | | | | | |
| D | Fochabers (GORDON CASTLE) | Mr. J. Taylor for Com'rs. of Crown Lands | 5 | 1 0 | 104 | 29·8 | 28·91 | 191 | 130 |
| | **3.—SPEY. Left Bank Tributaries. 133 sq. mi.** | | | | | | | | |
| D | Grantown-on-Spey (Bieldside) | W. Hutchinson, Esq. | 5 | 1 0 | 750 | ... | 29·15 | 206 | 137 |
| | **4.—LOSSIE & C. 154 sq. mi.** | | | | | | | | |
| D | Kellas (Kellas House) | Mrs. Christie | 5 | 0 8 | 446 | 31·4 | 36·87 | 216 | 149 |
| : | Lhanbryde (Blackhills House) | Mr. W. Dunbar | 5 | 0 6 | 310 | 29·2 | 30·02 | 204 | 137 |
| : | Elgin (Kirkhill) | Mrs. M. D. MacDonald | 5 | 1 7 | 35 | ... | 23·84 | 174 | 121 |
| : | Elgin (The Bield) | Mrs. Harrison | 5 | 1 4 | 120 | ... | 23·38 | 199 | 109 |
| D | Elgin (Lesmurdie) | Mrs. J. G. Norman | 5 | 1 0 | 114 | ... | 24·89 | 193 | 124 |
| D | Elgin (Newton Nursery) | Forestry Commission | 5 | 1 0 | 75 | ... | 22·31 | 165 | 112 |
| d | GORDONSTOWN SCHOOL | K. A. Campbell, Esq. | 5 | 1 0 | 37 | ... | (23·45) | (201) | (136) |
| | Duffus (Braemou') | Mrs. C. H. Astell | 8 | 0 6 | 65 | 25·8 | 22·63 | ... | ... |
| | **5.—FINDHORN & C. 148 sq. mi.** | | | | | | | | |
| D | Forres (Drumduan) | Late MacKinnon of MacKinnon | 5 | 2 6 | 120 | 26·5 | 24·57 | 164 | 121 |
| D | Forres (Drumduan Gdns.) | Mr. C. Dyker | 8 | 1 0 | 150 | ... | 24·06 | 155 | 119 |
| D | FORRES (Hydro) | Town Clerk | 5 | 1 0 | 155 | ... | 23·24 | 157 | 119 |
| | **NAIRN. (Area, 163 sq. mi.)** | | | | | | | | |
| | **1.—FINDHORN & C. 102 sq. mi.** | | | | | | | | |
| D | Ardclach (Glenferness) | Mr. J. May | 8 | 1 0 | 700 | 34·8 | 36·70 | 203 | 134 |
| D | Lethen | Major D. J. Brodie | 5 | 1 6 | 300 | ... | 27·92 | 184 | 130 |

## DIVISION XVII—NORTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NAIRN—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **2.—NAIRN & C. 61 sq. mi.** | | | | | | | | |
| D | Cawdor (Auchindoune) | Col. the Hon. I. M. Campbell | 5 | 1 0 | 425 | ... | 30·98 | 205 | 145 |
| D | Cawdor Castle | Mr. James Taylor | 5 | 0 9 | 225 | 29·2 | 30·90 | 207 | 151 |
| | Nairn (Urchany Reservoir) | The Town Council | 5 | 1 0 | 291 | ... | 28·13 | ... | ... |
| D | Nairn (Firhall) | Lt.-Col. Angus Cameron | 5 | 1 0 | 55 | 24·7 | 25·04 | 201 | 131 |
| D | Nairn (Balblair) | Major R. H. Allanby | 5 | 1 0 | 94 | 24·7 | 25·51 | 204 | 135 |
| D | Nairn (Achareidh) | Major K. S. Clarke | 8 | 1 0 | 59 | 23·9 | 23·87 | 208 | 138 |
| D | NAIRN (Golf Course) | Town Clerk | 8 | 1 0 | 20 | 24·9 | 21·95 | 185 | 117 |

## DIVISION XVIII—NORTH-WESTERN COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **INVERNESS. (Area, 4,146 sq. mi.)** | | | | | | | | |
| | **1.—TAY. Tummel. 28 sq. mi.** | | | | | | | | |
| | **2.—SPEY. Right Bank Tributaries. 437 sq. mi.** | | | | | | | | |
| D | DALWHINNIE | G. Ritchie, Esq., M.O. | 8 | 1 0 | 1176 | 46·7 | 41·84 | 188 | 166 |
| M | Loch Seilich (Gaick Lodge) | Grampian Electric Supply Co. | 5 | 1 0 | 1430 | ... | 47·86 | ... | ... |
| D | Lochan t-Seilich | Grampian Electric Supply Co. | 5 | 1 0 | 1430 | 46·6 | 39·86 | 240 | 168 |
| M | Loch Cuaich | Grampian Electric Supply Co. | 5 | 1 0 | 1340 | ... | 41·43 | ... | ... |
| D | Glenshero | British Aluminium Co. Ltd. | 8 | 0 10 | 880 | 45·9 | 45·27 | 229 | 177 |
| d | Loch Morlich (Badaguish) | J. Fraser, Esq. | 5 | 1 0 | 1100 | ... | 34·63 | ... | 121 |
| | **3.—SPEY. Left Bank Tributaries. 257 sq. mi.** | | | | | | | | |
| M | Loch Spey | British Aluminium Co. Ltd. | 5 | 1 0 | 1164 | 64·9 | 59·18 | ... | ... |
| | Glen Spey (Mealgarve) | British Aluminium Co. Ltd. | 8 | 1 0 | 1135 | 55·2 | 51·79 | ... | ... |
| D | Kingussie (The Birches) | Miss Jessie Dallas | 8 | 1 0 | 815 | ... | 39·41 | 252 | 226 |
| | **4.—FINDHORN. 164 sq. mi.** | | | | | | | | |
| D | Tomatin (Dalmigavie Lodge) | C. W. Christie-Miller, Esq. | 5 | 1 2 | 1150 | 42·5 | 37·56 | 237 | 178 |
| | **5.—NAIRN & C. 131 sq. mi.** | | | | | | | | |
| | **6.—NESS. Right Bank Tributaries. 252 sq. mi.** | | | | | | | | |
| D | Invergarry (Aberchalder Lodge) | R. Ellice, Esq. | 5 | 0 7 | 180 | 47·9 | 47·51 | 188 | 158 |
| D | Fort Augustus (Ardachie) | A. T. Bruen, Esq. | 5 | 1 0 | 100 | 46·5 | 44·44 | 230 | 182 |
| D | Fort Augustus (Auchterawe) | Forestry Commission | 5 | 0 6 | 136 | 47·7 | 44·66 | 200 | 172 |
| D | FORT AUGUSTUS (Abbey) | Procurator | 5 | 1 0 | 68 | 44·2 | 38·96 | 227 | 163 |
| D | Loch Ness (Garthbeg) | British Aluminium Co. Ltd. | 8 | 1 0 | 630 | 40·1 | 39·27 | 238 | 180 |
| D | Loch Ness (Foyers) | British Aluminium Co. Ltd. | 8 | 1 0 | 52 | 38·2 | 34·62 | 213 | 159 |
| D | Loch Ness (Aberchalder) | British Aluminium Co. Ltd. | 8 | 1 0 | 700 | 39·4 | 37·77 | 259 | 174 |
| W | Loch Ashie | Mr. Malcolm McPhee | 5 | 1 0 | 718 | 33·0 | 31·01 | ... | ... |
| D | INVERNESS (Culduthel Res.) | Town Council | 5 | 1 0 | 242 | 27.6 | 27·23 | 198 | 140 |
| | **7.—NESS. Garry & C. 185 sq. mi.** | | | | | | | | |
| D | Loch Quoich (Glenquoich) | Mr. K. Grant* | 5 | 1 2 | 569 | 110·7 | 101·65 | 234 | 225 |
| | **8.—NESS. Moriston. 120 sq. mi.** | | | | | | | | |
| D | Glenmoriston (Invermoriston Hotel) | R. Fullarton, Esq. | 5 | 1 0 | 70 | 44·0 | 41·65 | 206 | 167 |

* *Per* Capt. W. N. McClean (River Flow Records).

## DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **INVERNESS—(*contd.*).** | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **9.—NESS. Enrick. 131 sq. mi.** | | | | | | | | |
| M | Glen Urquhart Forest ... ... | ... G. Munro, Esq. ... ... | 5 | 1 | 0 1000 | ... | 44·35 | ... | ... |
| D | Glen Urquhart House ... ... | ... G. H. Wilkinson, Esq. ... | 5 | 1 | 3 470 | 36·1 | 36·41 | 176 | 149 |
| | **10.—BEAULY. 341 sq. mi.** | | | | | | | | |
| D | Cannick (Balchadaich) ... | ... Forestry Commission ... | | 1 | 0 350 | ... | 46·14 | 226 | 182 |
| | **11.—CROMARTY FIRTH. 13 sq. mi.** | | | | | | | | |
| | **12.—SOUND OF SLEAT. 259 sq. mi.** | | | | | | | | |
| | Kinlochmorar ... ... ... | ... N. of S. Hydro Electric Bd. | 5 | 1 | 0 50 | ... | 78·66 | ... | ... |
| D | Loch Morar (Rhubana) ... | ... N. of S. Hydro Electric Bd. | 5 | 1 | 0 52 | ... | 66·73 | 240 | 200 |
| D | Loch Nevis (Inverie Gardens)... | ... J. D. McHardy ... ... | 5 | 1 | 0 15 | 84·0 | 85·26 | 242 | 219 |
| D | Loch Hourn (Kinlochourn) ... | ... Ewen MacRae, Esq. ... | 5 | 1 | 0 18 | 100·7 | 97·19 | 230 | 214 |
| | **13.—SOUND OF ARISAIG. 126 sq. mi.** | | | | | | | | |
| D | Moidart (Glenmoidart) ..... | ... Miss Margery Lees ... | 5 | 1 | 0 200 | 84·5 | 80·24 | 244 | 212 |
| D | Loch Ailort (Inverailort) ... | ... F. S. Cameron-Head, Esq. | 5 | 1 | 0 8 | ... | 83·35 | 232 | 208 |
| D | Loch Ailort (Polnish) ... ... | ... C. M. Wedderburn, Esq. ... | 5 | 1 | 0 120 | 78·0 | 70·03 | 244 | 200 |
| D | Loch Ailort (Arienskill) ... | ... K. Macdonald, Esq. ... | 5 | 1 | 0 82 | 83·2 | 82·76 | 241 | 214 |
| D | Arisaig (Faire-na-Sguir) ... | ... Miss C. G. Astley-Nicholson | 5 | 1 | 0 30 | 54·0 | 54·09 | 234 | 184 |
| D | Arisaig (Larrachmhor) ... | ... J. Brennan, Esq. ... ... | 5 | 1 | 0 12 | ... | 59·05 | 227 | 212 |
| | **14.—LOCH LINNHE. Right Bank Tributaries. 48 sq. mi.** | | | | | | | | |
| D | Loch Eil (Achdalieu) ... ... | ... Col. Sir D. W. Cameron of Lochiel ... ... ... | 5 | 1 | 0 100 | 64·5 | 72·09 | 235 | 202 |
| | **15.—LOCHY. Right Bank Tributaries. 143 sq. mi.** | | | | | | | | |
| D | Glen Loy (Erracht) ... ... | ... Major E. C. Cameron ... | 5 | 1 | 0 150 | 79·8 | 73·32 | 240 | 206 |
| D | Loch Arkaig (Achnacarry) ... | ... Col. Sir D. W. Cameron of Lochiel ... ... ... | 5 | 1 | 0 128 | 80·6 | 78·49 | 230 | 198 |
| D | Clunes (L. Lochy W.) ... ... | ... Col. Sir D. W. Cameron of Lochiel ... ... ... | 5 | 1 | 6 110 | 73·6 | 75·16 | 236 | 207 |
| M | Clunes (Kilmallie) ... ... | ... A. W. Officier, Esq. ... | 5 | 1 | 0 1050 | ... | 74·15 | ... | ... |
| | **16.—LOCHY. Left Bank Tributaries. 362 sq. mi.** | | | | | | | | |
| | Loch Treig (Creaguaineach) ... | ... British Aluminium Co. Ltd. | 5 | 1 | 0 825 | 74·0 | 66·56 | ... | ... |
| | Fort William (Allt 'a Mhuilinn) | ... British Aluminium Co. Ltd. | 8 | 1 | 0 1000 | 83·6 | 82·54 | ... | ... |
| D | Fort William (The Factory) ... | ... British Aluminium Co. Ltd. | 8 | 1 | 0 75 | 73·0 | 63·91 | 238 | 198 |
| | Sgurr Finisgaig ... ... ... | ... British Aluminium Co. Ltd. | 8 | 1 | 0 1850 | 89·4 | 81·02 | ... | ... |
| D | Loch Treig (Fersit) ... ... | ... British Aluminium Co. Ltd. | 8 | 1 | 0 850 | 62·9 | 61·73 | 231 | 188 |
| | Tulloch (Allt Laire) ... ... | ... British Aluminium Co. Ltd. | 5 | 1 | 0 1050 | 60·7 | 62·93 | ... | ... |
| | Loch Pattack ... ... ... | ... Sir J. F. Ramsden, Bt. ... | 5 | 0 | 9 1420 | 61·3 | 56·17 | ... | ... |
| | Glen Spean (Craigbeg) ... | ... British Aluminium Co. Ltd. | 8 | 1 | 0 860 | 54·9 | 56·66 | ... | ... |
| D | Spean Bridge (Spean Lodge) ... | ... Mr. Donald Cameron ... | 5 | 1 | 3 200 | 64·5 | 58·88 | 233 | 196 |
| D | Spean Bridge (Gairlochy) ... | ... J. McLaren, Esq. ... ... | 5 | 1 | 0 100 | 74·2 | 69·91 | 229 | 202 |
| W | Loch Lochy (Invergloy) ... | ... Miss J. Allan ... ... | 5 | 1 | 0 200 | 67·1 | 68·81 | ... | ... |
| D | Loch Laggan (Ardverikie) ... | ... Sir J. F. Ramsden, Bt. ... | 5 | 0 | 6 838 | 54·0 | 46·79 | 245 | 181 |

## DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **INVERNESS—(*contd.*).** | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **17.—LOCH LINNHE. Left Bank Tributaries. 120 sq. mi.** | | | | | | | | |
| D | Onich | Forestry Commission | 5 | 1 | 3 48 | 77·4 | 75·34 | 242 | 214 |
| D | Onich (Corran Gardens) | Mr. R. W. Paine | 5 | 1 | 0 72 | ... | 72·26 | 239 | 203 |
| D | Glenleven (Blackwater Dam, N.) 7 | British Aluminium Co. Ltd. | 8 | 1 | 0 1072 | 85·5 | 89·41 | 288 | 220 |
| M | Glenleven (Invercam) No. 6 | British Aluminium Co. Ltd. | 8 | 1 | 6 1070 | 74·8 | 72·43 | ... | ... |
| | Glenleven (Loch Eilde Mhor) 8 | British Aluminium Co. Ltd. | 8 | 1 | 6 1130 | 94·9 | 78·45 | ... | ... |
| d | Glenleven (Corrour) | British Aluminium Co. Ltd. | 8 | 1 | 0 1350 | ... | 69·03 | ... | ... |
| D | FORT WILLIAM (Teviot) | J. W. Ainslie, Esq. | 8 | 1 | 0 34 | 78·9 | 74·51 | 241 | 197 |
| D | Fort William (Glasdrum) | British Aluminium Co. Ltd. | 5 | 1 | 0 216 | ... | 74·70 | 243 | 207 |
| | **18.—INSULAR. INNER HEBRIDES. 786 sq. mi.** | | | | | | | | |
| D | Isle of Eigg | Rt. Hon. Viscount Runciman | 5 | 1 | 0 150 | 59·2 | 60·59 | 231 | 197 |
| | Oronsay Lighthouse | Com'rs. of N. Lighthouses | 5 | 0 | 6 10 | 52·7 | 58·35 | ... | ... |
| D | Skye (Broadford) | Dr. B. P. Miesner | 5 | 1 | 0 23 | 76·8 | 75·42 | 264 | 227 |
| D | Skye (Grula) | Forestry Commission | 5 | 1 | 0 60 | ... | 89·19 | 254 | 222 |
| D | Skye (Loch Harport, Carbost) | Mr. D. M. MacCaskill | 5 | 1 | 0 160 | ... | 89·07 | 253 | 219 |
| D | Skye (Portree) | Miss Joan Mackinnon | 5 | 1 | 0 65 | 73·1 | 71·92 | 246 | 207 |
| M | Meall na Suiramach | Mr. M. Beaton | 5 | 1 | 0 1400 | ... | 84·47 | ... | ... |
| D | Skye (DUNTULM, Kilmuir) | Seton Gordon, Esq., C.B.E. | 5 | 1 | 0 294 | 53·5 | 60·80 | 248 | 217 |
| | **19.—INSULAR. OUTER HEBRIDES. 243 sq. mi.** | | | | | | | | |
| D | Vatersay Schoolhouse | J. Campbell, Esq. | 5 | 0 | 8 20 | ... | 44·35 | 244 | 204 |
| D | BENBECULA (Airfield) | Meteorological Office | 5 | 1 | 0 27 | ... | 45·38 | 240 | 193 |
| D | North Uist (Newton) | J. MacAskill, Esq. | 5 | 1 | 0 41 | 45·2 | 48·76 | 237 | 192 |
| D | N. Harris (Amhuinsuidh Castle) | Norman Robertson, Esq. | 5 | 1 | 3 12 | 59·0 | 59·13 | 229 | 216 |
| | **ROSS & CROMARTY. (Area, 3,237 sq. mi.)** | | | | | | | | |
| | **1.—NESS. Moriston. 35 sq. mi.** | | | | | | | | |
| | **2.—BEAULY. 109 sq. mi.** | | | | | | | | |
| D | Loch Monar (Patt) | I. Mackay, Esq. | 5 | 1 | 0 700 | ... | 74·51 | 256 | 220 |
| | **3.—MORAY FIRTH COAST STREAMS. 64 sq. mi.** | | | | | | | | |
| D | FORTROSE | Rev. W. Craig | 5 | 1 | 0 69 | 23·8 | 24·59 | 226 | 136 |
| D | Fearn (Geanies) | Capt. K. Murray, J.P. | 5 | 0 | 11 200 | 22·8 | 23·58 | 199 | 132 |
| D | **4.—CROMARTY FIRTH. 714 sq. mi.** | | | | | | | | |
| D | Muir of Ord (Fairburn) | Major J. S. Stirling | 5 | 1 | 0 500 | 36·2 | 37·41 | 215 | 184 |
| | Strathpeffer (Kinellan) | Miss A. Fraser | 5 | 1 | 0 450 | ... | 33·93 | ... | ... |
| D | Lochluichart (East) | Grampian Electric Supply Co. | 5 | 1 | 0 165 | 39·5 | 43·83 | 252 | 188 |
| d | Lochluichart (West) | Grampian Electric Supply Co. | 5 | 1 | 0 325 | ... | 45·61 | ... | ... |
| D | Loch Fannich (Nest) | N. of S. Hydro Electric Bd. | 5 | 1 | 0 850 | ... | 77·68 | 251 | 232 |
| M | Garbat (Dubh Choille) | Forestry Commission | 5 | 1 | 0 1150 | ... | 47·73 | ... | ... |
| D | Garbat Forest (Longart) | Forestry Commission | 5 | 1 | 0 500 | ... | 48·07 | 245 | 193 |
| D | Garbat (Altguish) | N. of S. Hydro Electric Bd. | 5 | 1 | 0 750 | ... | 53·01 | 231 | 205 |
| D | Strath Vaich Lodge | N. of S. Hydro Electric Bd. | 5 | 1 | 0 790 | ... | 56·47 | 249 | 211 |
| d | Alness (Ardross School) | J. H. Ross, Esq. | 5 | 1 | 2 460 | ... | 30·56 | 220 | 160 |

## DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ROSS & CROMARTY—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—DORNOCH FIRTH. 355 sq. mi.** | | | | | | | | |
| D | Tain (Tarlogie House) | Lt.-Col. A. K. McLeod | 5 | 1 3 | 140 | ... | 28·47 | 198 | 138 |
| | Tarbetness | Com'rs. of N. Lighthouses | 5 | 1 3 | 62 | 22·2 | 20·04 | 131 | 106 |
| D | Ardgay (Braelangwell Lodge) | R. E. Lambert, Esq. | 5 | 0 10 | 180 | 43·4 | 44·76 | 250 | 195 |
| | **6.—ENARD BAY. 78 sq. mi.** | | | | | | | | |
| | **7.—LOCH BROOM & C. 367 sq. mi.** | | | | | | | | |
| D | Inverbroom (Glackour) | Forestry Commission | 5 | 1 0 | 65 | ... | 57·16 | 246 | 208 |
| | Laide | Mr. J. MacAulay | 5 | 1 0 | 90 | ... | 40·94 | ... | ... |
| D | Ullapool | Dr. R. McLean | 5 | 1 6 | 75 | 46·5 | 40·94 | 216 | 189 |
| | **8.—LOCH EWE, LOCH TORRIDON & C. 423 sq. mi.** | | | | | | | | |
| | **9.—LOCH CARRON, LOCH ALSH & C. 401 sq. mi.** | | | | | | | | |
| D | Glenshiel (Kyle) | Mr. M. Macrae* | 5 | 1 0 | 650 | 135·2 | 125·25 | 273 | 247 |
| d | Loch Duich (Ratagan) | Forestry Commission | 5 | 1 0 | 12 | 82·3 | 71·50 | 223 | 214 |
| M | Loch Duich (Druim Sgurr) | Forestry Commission | 5 | 1 0 | 1000 | ... | 77·90 | ... | ... |
| D | Loch Duich (Inverinate) | J. Finlayson, Esq. | 5 | 1 0 | 28 | 83·2 | 81·11 | 240 | 226 |
| D | Loch Alsh (Nostie) | N. of S. Hydro Electric Bd. | 5 | 0 11 | 25 | ... | 70·76 | 225 | 203 |
| D | Stromferry (Achmore) | Forestry Commission | 5 | 0 8 | 100 | ... | 69·50 | 253 | 202 |
| D | Loch Carron (Dunhulladale) | Mrs. G. J. Campbell | 5 | 1 0 | 91 | 74·9 | 65·60 | 259 | 204 |
| | Applecross Gardens | Mr. J. McCowan | 5 | 1 6 | 70 | 57·3 | 57·22 | ... | ... |
| D | ACHNASHELLACH | Forestry Commission | 5 | 1 0 | 225 | 79·9 | 77·91 | 262 | 219 |
| M | †Coulin Pass | Forestry Commission | 5 | 1 0 | 950 | ... | 89·20 | ... | ... |
| | **10.—INSULAR. OUTER HEBRIDES. 691 sq. mi.** | | | | | | | | |
| D | STORNOWAY Airfield | Meteorological Office | 5 | 1 0 | 15 | 47·3 | 42·40 | 249 | 187 |
| | Butt of Lewis Lighthouse | Com'rs. of N. Lighthouses | 8 | 3 9 | 51 | 39·2 | 32·14 | 212 | 180 |

## DIVISION XIX—NORTHERN COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **SUTHERLAND. (Area, 2,080 sq. mi.)** | | | | | | | | |
| | **1.—DORNOCH FIRTH. 413 sq. mi.** | | | | | | | | |
| D | Dornoch (Ospisdale) | F. N. Sudlow, Esq. | 8 | 1 2 | 50 | ... | 30·85 | 245 | 150 |
| d | Lairg | A. Gunn, Esq. | 5 | 1 0 | 330 | 37·3 | 42·36 | 205 | 178 |
| | **2.—FLEET, BRORA & C. 309 sq. mi.** | | | | | | | | |
| w | Loch Merkland | W. Mackay, Esq. | 5 | 1 0 | 380 | ... | 70·21 | ... | ... |
| d | Golspie (Technical School) | J. O. Sutherland, Esq. | 5 | 1 7 | 100 | 32·2 | 28·89 | 219 | 163 |
| | **3.—HELMSDALE & C. 226 sq. mi.** | | | | | | | | |
| d | Kinbrace (Borrobol Lodge) | Sir Roderick Wigan, Bt. | 5 | 1 6 | 340 | ... | 28·99 | (199) | (156) |
| D | Kinbrace (Auchintoul) | Ian Boyd, Esq. | 5 | 1 0 | 420 | ... | 36·47 | 253 | 175 |
| | **4.—NORTH COAST STREAMS. 736 sq. mi.** | | | | | | | | |
| D | Skerray (Borgie) | Forestry Commission | 5 | 1 0 | 110 | 37·5 | 42·08 | 216 | 187 |
| w | Tongue | Rev. H. A. M. MacLean | 5 | 1 0 | 40 | ... | 43·68 | ... | ... |
| D | STRATHY (Bowside) | Dept. of Agriculture | 5 | 1 0 | 125 | ... | 33·24 | 253 | 179 |

* *Per* Capt. W. N. McClean. † Turf wall round gauge.

## DIVISION XIX—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SUTHERLAND—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **NORTH COAST STREAMS—(*contd.*).** | | | | | | | | |
| d | Melvich Hotel | Miss M. Macintosh | 5 | 1 0 | 200 | 36·0 | 32·94 | ... | 163 |
| D | CAPE WRATH | Principal Keeper (M.O.) | 5 | 1 0 | 363 | ... | 44·80 | 238 | 193 |
| | **5.—LOCH LAXFORD & C. 256 sq. mi.** | | | | | | | | |
| D | Drumbeg | K. Matheson, Esq. | 5 | 1 0 | 200 | ... | 48·55 | 245 | 206 |
| D | Loch More (Achfary) | Matthew Elliot, Esq. | 5 | 1 0 | 137 | 75·8 | 83·95 | 259 | 233 |
| D | Scourie | E. MacLeod, Esq. | 5 | 0 9 | 50 | ... | 45·59 | 211 | 195 |
| | **6.—ENARD BAY. 138 sq. mi.** | | | | | | | | |
| D | Elphin | Capt. H. MacLeod | 5 | 1 2 | 750 | ... | 67·89 | 262 | 239 |
| D | Lochinver (Bank House) | G. W. Gordon, Esq., J.P. | 5 | 1 0 | 22 | ... | 49·94 | 245 | 193 |
| D | Stoer | N. A. Mackenzie, Esq. | 5 | 1 0 | 70 | ... | 44·89 | 239 | 196 |
| | **7.—INSULAR. 2 sq. mi.** | | | | | | | | |
| | **CAITHNESS. (Area, 696 sq. mi.)** | | | | | | | | |
| | **1.—BERRIEDALE, DUNBEATH & C. 169 sq. mi.** | | | | | | | | |
| | Berriedale (Langwell) | Duke of Portland | 5 | 1 6 | 150 | 33·8 | 27·50 | ... | ... |
| | Clythness | Com'rs. of N. Lighthouses | 5 | 1 5 | 133 | 29·6 | 24·12 | 256 | 144 |
| | **2.—WICK & C. 184 sq. mi.** | | | | | | | | |
| D | WICK | Meteorological Office | 5 | 1 0 | 119 | 29·9 | 25·66 | 221 | 146 |
| | Nosshead | Com'rs. of N. Lighthouses | 5 | 0 9 | 129 | 25·1 | (25·98) | 203 | 144 |
| D | Lyth (Milton House) | D. Mackay, Esq. | 5 | 1 0 | 100 | ... | 27·25 | 190 | 146 |
| | **3.—THURSO & C. 238 sq. mi.** | | | | | | | | |
| d | Halkirk (Westerdale) | Rev. A. S. Maciver | 5 | 1 0 | 195 | ... | 30·32 | 217 | 173 |
| D | Thurso (Buckies) | J. H. M. Davidson, Esq. | 5 | 0 11 | 240 | ... | 32·69 | 231 | 185 |
| | Thurso (Holburn Head) | Com'rs. of N. Lighthouses | 5 | 0 8 | 68 | ... | 26·74 | 203 | 151 |
| | Dunnet Head | Com'rs. of N. Lighthouses | 5 | 1 0 | 331 | 30·2 | 29·67 | 221 | 168 |
| | **4.—FORSS & C. 104 sq. mi.** | | | | | | | | |
| d | Reay (The Manse) | Rev. A. P. Bogie | 9 | 1 0 | 49 | 36·2 | 34·05 | 252 | 185 |
| | **5.—INSULAR. 1 sq. mi.** | | | | | | | | |
| | **ORKNEY. (Area, 389 sq. mi.)** | | | | | | | | |
| | Pentland Skerries Lighthouse | Com'rs. of N. Lighthouses | 5 | 3 0 | 70 | ... | 32·14 | 210 | 188 |
| | Hoy (Cantick Head) | Com'rs. of N. Lighthouses | 5 | 3 10 | 68 | 32·9 | 35·30 | 201 | 172 |
| D | Stenness | W. J. Moar, Esq. | 5 | 1 0 | 20 | ... | 38·95 | 265 | 197 |
| | Hellyar Holm | Com'rs. of N. Lighthouses | 5 | 1 3 | 35 | 32·9 | 31·68 | 246 | 163 |
| | Sanday (Start Point) | Com'rs. of N. Lighthouses | 5 | 1 0 | 27 | 31·1 | 36·71 | 217 | 184 |
| | North Ronaldshay | Com'rs. of N. Lighthouses | 5 | 0 9 | 22 | 32·8 | 34·33 | 207 | 173 |
| | **SHETLAND. (Area, 558 sq. mi.)** | | | | | | | | |
| D | LERWICK OBSERVATORY | (+A) Meteorological Office | 8 | 1 0 | 269 | 38·1 | 45·49 | 262 | 194 |
| | Eshaness | Com'rs. of N. Lighthouses | | ... | ... | 33·6 | 47·37 | 207 | 199 |
| D | Bixter (Vementry) | Andrew Tait, Esq. | 5 | 1 1 | 25 | 37·2 | 42·94 | 260 | 202 |
| D | BALTASOUND (Halligarth) | Dr. T. E. Saxby, F.R.F.P.S. | 5 | 1 0 | 30 | 42·1 | 48·57 | 291 | 211 |

# Northern Ireland

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **FERMANAGH. (Area, 713 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—ERNE. 667 sq. mi.** | | | | | | | | |
| D | Newtownbutler (Crom Castle) | The Earle of Erne | 5 | 1 0 | 200 | 38·7 | 39·50 | 236 | 180 |
| D | Florencecourt | Earl of Enniskillen | 5 | 1 0 | 269 | *48·5* | 53·20 | 235 | 183 |
| D | Enniskillen (Castle Coole) | Lady Margaret Lowry-Corry | 5 | 1 0 | 240 | *41·0* | 43·02 | 252 | 181 |
| D | Colebrooke | Sir Basil Brooke, Bt. | 5 | 1 0 | 250 | ... | 44·22 | 233 | 180 |
| | Ballinamallard (Rossfad) | Col. H. S. C. Richardson | 5 | 0 11 | 200 | ... | 45·50 | ... | ... |
| D | Belleek (Roscor) | J. H. Dick, Esq. | 5 | 1 0 | 500 | ... | 49·30 | 244 | 203 |
| D | Belleek | T. Beacom, Esq. | 5 | 1 2 | 150 | *45·5* | 51·34 | 235 | 213 |
| D | CASTLE ARCHDALE (+A) | Meteorological Office | 5 | 1 0 | 240 | ... | 41·22 | 219 | 172 |
| | **2.—DROWES & C. 46 sq. mi.** | | | | | | | | |
| | **ARMAGH. (Area, 514 sq. mi.)** | | | | | | | | |
| | **1.—DUNDALK BAY. 118 sq. mi.** | | | | | | | | |
| | **2.—CARLINGFORD LOUGH. 23 sq. mi.** | | | | | | | | |
| D | Bessbrook (The Woodhouse) | J. S. W. Richardson, Esq. | 5 | 1 0 | 260 | *37·2* | 45·53 | 222 | 181 |
| | **3.—BANN. Lough Neagh, East. 37 sq. mi.** | | | | | | | | |
| | **4.—BANN. UPPER. 144 sq. mi.** | | | | | | | | |
| D | Markethill (Whitecross) | Gov. of Northern Ireland | 5 | 1 0 | 400 | ... | 47·02 | 228 | 175 |
| | **5.—BANN. Lough Neagh, West. 192 sq. mi.** | | | | | | | | |
| D | Keady (Derrynoose Rectory) | Rev. T. F. Campbell | 5 | 1 0 | 380 | ... | 38·49 | 232 | 172 |
| D | Tynan Abbey | Capt. C. N. L. Stronge | 5 | 1 0 | 167 | ... | 36·29 | 203 | 169 |
| D | ARMAGH (Observatory) (+A) | The Dir. of Obsy. (M.O.) | 8 | 1 0 | 204 | 31·7 | 34·89 | 219 | 170 |
| D | Richhill (Sandymount) | Mrs. C. B. Lamb | 5 | 1 6 | 200 | *29·3* | 34·12 | 187 | 162 |
| | **DOWN. (Area, 961 sq. mi.)** | | | | | | | | |
| | **1.—CARLINGFORD LOUGH. 104 sq. mi.** | | | | | | | | |
| D | Newry (Bridge Street House) | C. Blaney, Esq. | 5 | 1 0 | 23 | 38·1 | 39·60 | 197 | 158 |
| | **2.—DUNDRUM BAY & C. 173 sq. mi.** | | | | | | | | |
| D | Silent Valley (Belfast W.W.) | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 426 | ... | 55·28 | 233 | 178 |
| D | Annalong (Belfast W.W.) | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 435 | *47·5* | 49·58 | 213 | 169 |
| | Mourne Mount'ns (Slieve Lamagan) | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 1320 | ... | 79·15 | ... | ... |
| | Mourne Mount'ns (Lough Shannagh) | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 1280 | ... | 79·00 | ... | ... |
| | Mourne Mount'ns (Slieve Bearnagh) | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 1954 | ... | 79·00 | ... | ... |
| D | Seaforde | T. W. Forde, Esq. | 8 | 1 0 | 180 | 38·3 | 42·77 | 225 | 172 |
| | **3.—STRANGFORD LOUGH. 260 sq. mi.** | | | | | | | | |
| d | Strangford | Late G. L. Hildebrand, Esq. | 5 | 0 8 | 30 | ... | 34·97 | 192 | 154 |
| D | Newtownards (Grey Abbey) | Late H. H. K. Worsley, Esq. | 5 | 1 0 | 30 | ... | 37·47 | 206 | 161 |
| | **4.—COAST STREAMS. 47 sq. mi.** | | | | | | | | |
| D | Donaghadee (Craigmore) | Miss E. E. Coates | 5 | 1 0 | 60 | *30·6* | 33·28 | 213 | 138 |
| D | Donaghadee (Orlock Reservoir) | Resident Engineer | 5 | 1 0 | 43 | ... | 31·69 | 196 | 140 |

## NORTHERN IRELAND—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1946: Rainfall | 1946: Days with ·01 in. or more | 1946: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | DOWN—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **5.—BELFAST LOUGH. 206 sq. mi.** | | | | | | | | |
| D | Dromara... ... ... ... ... | Gov. of Northern Ireland ... | 5 | 1 0 | ... | ... | 43·20 | 212 | 174 |
| | Annaghanoon ... ... ... ... | W. J. Gibson, Esq. ... | 5 | 1 0 | 200 | ... | 36·40 | ... | ... |
| D | Waringstown (The Forge) ... ... | W. J. Gibson, Esq. ... | 5 | 1 0 | 184 | 32·2 | 36·79 | 227 | 170 |
| D | HILLSBOROUGH (Ag. Research Inst.) ... | Secretary ... ... ... | 5 | 1 0 | 388 | ... | 38·76 | 211 | 165 |
| d | Knock (Cherryvalley Park) ... ... | W. R. Carmody, Esq. ... | 5 | 1 1 | 120 | ... | 38·33 | ... | ... |
| D | Knock (Hawthornden Road) ... ... | S. Dunlop, Esq. ... ... | 5 | 1 0 | 100 | ... | 36·85 | 220 | 161 |
| d | Bangor (Garth House School) ... | Miss E. N. Swanson ... | 5 | ... ... | 120 | ... | 37·27 | 198 | 146 |
| | **6.—BANN. Lough Neagh East. 7 sq. mi.** | | | | | | | | |
| | **7.—BANN. UPPER. 162 sq. mi.** | | | | | | | | |
| | **8.—INSULAR. 2 sq. mi.** | | | | | | | | |
| | **ANTRIM. (Area, 1,193 sq. mi.)** | | | | | | | | |
| | **1.—BELFAST LOUGH. 107 sq. mi.** | | | | | | | | |
| D | LISBURN SCHOOL ... ... ... | Headmaster ... ... ... | 8 | 1 0 | 201 | 34·1 | 37·38 | 206 | 165 |
| D | Lambeg (Glenmore House) ... ... | Linen Industry Res. Assn. | 8 | 0 11 | 100 | ... | 36·13 | 213 | 162 |
| D | Dunmurry (Warren House) ... ... | Col. H. R. Charley ... | 5 | 0 10 | 110 | ... | 39·74 | 219 | 178 |
| D | Dunmurry (Lagmore) ... ... ... | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 385 | ... | 47·61 | 225 | 188 |
| D | Belfast (Queen's University) ... ... | S. Nelson, Esq. ... ... | 5 | 1 0 | 62 | 34·5 | 38·08 | 200 | 152 |
| D | Belfast (Sewage Works) ... ... | City Surveyor ... ... | 8 | 1 0 | 26 | *35·8* | 38·73 | 208 | 165 |
| D | Belfast (Oldpark Filters) ... ... | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 203 | *39·0* | 44·41 | 200 | 179 |
| D | *Carrickfergus (Dorisland) ... ... | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 250 | ... | 41·21 | 234 | 180 |
| D | Carrickfergus (Knockagh) ... ... | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 750 | ... | 44·50 | 234 | 186 |
| D | Carrickfergus (S. Woodburn) ... | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 640 | *44·5* | 49·11 | 242 | 196 |
| D | Carrickfergus (N. Woodburn) ... | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 735 | *45·5* | 51·15 | 245 | 192 |
| D | Carrickfergus (Copeland) ... ... | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 427 | *40·0* | 41·59 | 231 | 176 |
| D | Carrickfergus (Lough Mourne) ... | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 596 | *42·5* | 48·00 | 254 | 200 |
| | **2.—GLENARM & C. 186 sq. mi.** | | | | | | | | |
| D | Larne (Sallagh Springs) ... ... | J. E. Croasdaile, Esq., M.A. | 5 | 1 0 | 566 | *50·0* | 48·98 | 212 | 182 |
| | **3.—BUSH & C. 193 sq. mi.** | | | | | | | | |
| D | Ballycastle (Coolgreany) ... ... | E. R. Casement, Esq. ... | 5 | 1 6 | 90 | ... | 36·04 | 208 | 171 |
| | **4.—BANN. LOWER. 112 sq. mi.** | | | | | | | | |
| D | Toomebridge ... ... ... ... | Gov. of Northern Ireland ... | 5 | ... ... | 59 | ... | 36·82 | 203 | 164 |
| | **5.—BANN. Lough Neagh, East. 590 sq. mi.** | | | | | | | | |
| D | Stonyford (Belfast W.W.) ... ... | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 453 | ... | 42·38 | 244 | 177 |
| D | Leathemstown (Belfast W.W.) ... | S.H.W.Middleton,Esq.,C.E. | 5 | 1 0 | 534 | ... | 44·28 | 225 | 170 |
| D | ALDERGROVE (Airfield) ... (+A) | Meteorological Office ... | 5 | 1 0 | 294 | 33·0 | 35·84 | 215 | 163 |
| D | Randalstown ... ... ... ... | Old Bleach Linen Co. ... | 5 | 1 0 | 100 | ... | 37·96 | 224 | 173 |
| D | Ballymena (Harryville) ... ... | R. T. Campbell, Esq. ... | 5 | 1 5 | 150 | 41·5 | 42·46 | 251 | 185 |
| D | Broughshane (Quolie) ... ... ... | Capt. H. Simpson, C.E. ... | 5 | 1 6 | 864 | *47·3* | 52·15 | 256 | 211 |
| | **6.—INSULAR. 5 sq. mi.** | | | | | | | | |

* Gauge over-exposed.

## NORTHERN IRELAND—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1946 Rainfall | 1946 Days with ·01 in. or more | 1946 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **LONDONDERRY. (Area, 816 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—LOUGH SWILLY. 6 sq. mi.** | | | | | | | | |
| D | Londonderry (Dunruadh) | J. H. Welch, Esq. | 5 | 0 6 | 150 | *40·5* | 40·87 | 231 | 182 |
| | **2.—BUSH & C. 9 sq. mi.** | | | | | | | | |
| | **3.—BANN. LOWER. 240 sq. mi.** | | | | | | | | |
| D | Upperlands (Ardtara) | H. J. Clark, Esq. | 5 | 2 0 | 250 | ... | 43·79 | 233 | 189 |
| D | GARVAGH (MONEYDIG) | J. Porter, Esq. | 5 | 1 0 | 121 | 38·8 | 42·02 | 248 | 184 |
| D | Coleraine (The Cutts) | Govt. of Northern Ireland | 5 | 1 0 | 22 | ... | 37·16 | 246 | 218 |
| D | Coleraine (Ingledene) | W. R. Johnston, Esq. | 5 | 3 4 | 55 | ... | 37·48 | 236 | 180 |
| | **4.—BANN, Lough Neagh, West 196 sq. mi.** | | | | | | | | |
| | **5.—FOYLE & C. 365 sq. mi.** | | | | | | | | |
| M | Glenedra (Spelhoagh Mountain) | Londonderry C.B.C. | 5 | 1 0 | 1333 | *60·0* | 65·63 | ... | ... |
| M | Glenedra Hill | Londonderry C.B.C. | 5 | 1 0 | 1333 | *62·5* | 66·65 | ... | ... |
| M | Glenedra Lodge | Londonderry C.B.C. | 5 | 1 0 | 950 | 57·0 | 62·31 | ... | ... |
| M | †Glenedra (Altagarran Mountain) | Londonderry C.B.C. | 5 | 1 0 | 1230 | ... | 57·94 | ... | ... |
| M | Dungiven (Labbyheige) | Londonderry C.B.C. | 5 | 1 0 | 1150 | ... | (58·74) | ... | ... |
| M | Altnaheglish (Altabrogy Burn) | Londonderry C.B.C. | 5 | 1 0 | 967 | ... | 57·36 | ... | ... |
| M | Glenedra Intake | Londonderry C.B.C. | 5 | 1 0 | 740 | ... | 63·33 | ... | ... |
| M | Altnaheglish (Glack Burn) | Londonderry C.B.C. | 5 | 1 0 | 967 | ... | 56·27 | ... | ... |
| D | Dungiven (Banagher Filters) | Londonderry C.B.C. | 5 | 1 0 | 373 | ... | 54·61 | 277 | 222 |
| D | Londonderry (Creggan Res.) | Mr. W. Hutchison | 8 | 1 0 | 325 | 41·8 | 47·84 | 282 | 212 |
| D | Limavady (Drenagh) | Mrs. T. McCausland | 5 | 1 6 | 80 | 37·0 | 39·50 | 263 | 206 |
| D | Bellarena | (R) Lady Heygate | 8 | 3 6 | 12 | ... | 33·50 | 248 | 184 |
| D | CASTLEROCK (Craighead) | E. G. Box, Esq. | 5 | 1 0 | 57 | ... | 34·69 | 218 | 173 |
| | **TYRONE. (Area, 1,257 sq. mi.)** | | | | | | | | |
| | **1.—ERNE. 46 sq. mi.** | | | | | | | | |
| | **2.—BANN. Lough Neagh, West. 442 sq. mi.** | | | | | | | | |
| D | Castlecaulfield (Parkanaur) | Major Y. A. Burges | 8 | 0 6 | 250 | ... | 39·02 | 215 | 167 |
| | **3.—FOYLE. 769 sq. mi.** | | | | | | | | |
| D | Omagh (Edenfel) | Mrs. F. M. Hammond Smith | 8 | 1 0 | 280 | 40·1 | 44·42 | 227 | 188 |
| D | Newtown Stewart (Baronscourt) | Capt. E. W. Ross | 5 | 1 0 | 250 | ... | 38·00 | 217 | 171 |
| D | Sion Mills (Sion House) | Capt. J. C. Herdman | 5 | 1 0 | 100 | 39·1 | 46·44 | 251 | 200 |

† Gauge over-exposed on moor

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